

*Abstracts and Tables of the Magnetic and Meteorological Instruments at
Sixteen Stations in the Indian Archipelago.*

Oscillation of the Declination at various Stations

Astron. Mean Time.	12.	13.	14.	15.	16.	17.	18.	19.	20.	21.	22.
Moulmein.	'	'	'	1.85	1.87	1.94	2.59	3.75	4.12	3.11	2.02
Madras	1.68	1.44	0.92	0.18	0.00	0.42	2.02	3.38
Nicobar	3.01	3.06	3.10	3.58	3.91	3.28	2.01	0.85
Samboonga	2.02	2.00	1.64	0.66	0.00	0.70	2.34	4.00
Penang	3.70	3.37	3.07	2.40	0.67	0.00	1.53	4.20
Pulo Dinding	1.54	1.67	1.84	2.41	3.22	2.67	1.56	0.92
Sarawak	1.00	1.13	1.34	3.26	3.11	3.31	3.33	4.56	3.88	2.46	1.33
Keemah	1.51	1.00	0.20	0.00	0.92	1.32
Pulo Peesang	2.36	2.02	1.66	0.77	0.00	0.15	1.10	2.21
Singapore	1.60	0.68	0.00	0.45	1.56	2.60
Carimon	1.80	0.25	0.00	0.47	1.17	2.15
Bowaya	1.91	1.83	1.62	1.05	0.27	0.00	0.17	0.45
Padang	2.14	2.24	2.42	3.02	3.34	1.78	0.52	0.14
Bencoolen	2.33	2.28	2.10	1.55	0.48	0.00	0.13	0.75
Batavia, Winter	2.28	2.20	2.15	1.33	1.28	1.23	1.40	1.25	0.43	0.10	0.00
Batavia, Spring	3.28	3.44	3.41	3.81	3.36	1.75	0.39	0.00
Cocos

Declino-

Moulmein .....	.....	.....	.....	1.6	1.0	0.7	1.5	2.2	2.0	2.4	1.7
Madras .....	.....	.....	.....	0.81	0.81	0.94	1.80	2.90	3.29	2.54	1.64
Nicobar .....	.....	.....	.....	1.44	1.24	0.88	0.08	0.00	0.38	2.19	2.96
Samboonga .....	.....	.....	.....	3.22	3.27	3.23	3.75	3.57	2.34	1.78	1.07
Penang .....	.....	.....	.....	2.26	2.28	1.88	0.88	0.00	0.68	2.32	3.34
Pulo Dinding .....	.....	.....	.....	4.07	3.60	3.34	2.54	0.80	0.00	1.70	4.47
Sarawak	0.84	0.92	1.37	1.22	1.26	1.39	1.88	2.57	2.09	1.00	0.37
Keemah .....	.....	.....	.....	2.01	1.78	2.02	2.22	2.80	2.39	1.20	0.43
Pulo Peesang .....	.....	.....	.....	.....	1.00	1.75	1.06	0.00	0.18	1.02	1.26
Singapore .....	.....	.....	.....	2.64	2.37	2.01	1.15	0.09	0.00	1.08	2.35
Carimon .....	.....	.....	.....	.....	.....	1.92	0.55	0.00	0.92	2.18	3.47
Bowaya .....	.....	.....	.....	.....	.....	2.07	0.45	0.00	0.15	1.20	2.40
Padang .....	.....	.....	.....	1.91	1.82	1.58	1.03	0.18	0.00	0.35	0.98
Bencoolen .....	.....	.....	.....	2.15	2.50	3.10	4.10	3.40	2.35	1.05	0.30
Batavia, Winter	3.25	3.10	2.95	2.65	2.55	2.35	1.75	0.60	0.00	0.20	0.95
Batavia, Spring .....	.....	.....	.....	1.50	1.46	1.30	1.40	1.28	0.38	0.15	0.00
Cocos .....	.....	.....	.....	2.70	2.82	2.73	3.13	2.63	1.08	0.00	0.15

Declino-

Moulmein .....	.....	.....	.....	2.3	1.6	1.4	2.0	2.9	3.2	3.2	2.6
Madras .....	.....	.....	.....	2.01	2.11	2.15	2.99	4.43	4.60	3.47	2.10
Nicobar .....	.....	.....	.....	1.26	1.12	0.70	0.00	0.02	0.80	2.18	3.54
Samboonga.	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Penang .....	.....	.....	.....	1.94	2.16	1.60	0.44	0.00	0.54	2.46	3.62
Pulo Dinding .....	.....	.....	.....	3.07	2.87	2.67	1.67	0.27	0.00	1.84	4.70
Sarawak.	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Keemah .....	.....	.....	.....	1.68	1.51	1.67	1.73	2.57	1.87	0.87	0.18
Pulo Peesang.	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Singapore .....	.....	.....	.....	2.34	2.02	1.62	0.74	0.00	0.08	1.08	2.22
Singapore, No. IV. ...	.....	.....	.....	2.50	2.76	2.29	1.44	0.13	0.00	0.90	1.99
Singapore, No. V. ....	.....	.....	.....	2.04	1.83	1.54	0.59	0.00	0.02	0.98	1.99
Padang.	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Bencoolen .....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Batavia, Winter.	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Batavia, Spring.	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Cocos .....	.....	.....	.....	2.90	3.00	2.97	3.36	2.89	1.30	0.13	0.00

in the Eastern Archipelago.—Declinometer No. I.

23.	Noon.	1.	2.	3.	4.	5.	6.	7.	8.	9.	10.	11.	Mean.
0.84	0.00	0.10	0.97	1.85	2.72	2.80	2.47	2.21	2.02	1.96	.....	.....	2.06
4.12	4.26	4.52	4.74	4.38	4.00	3.56	2.78	3.06	2.90	2.74	.....	.....	2.68
0.65	0.00	0.16	0.38	0.56	1.23	1.90	2.00	2.08	1.86	1.76	.....	.....	1.86
3.98	4.90	4.86	4.54	4.18	3.82	2.90	2.40	2.62	2.72	2.58	.....	.....	2.78
5.67	6.83	7.23	7.47	7.40	6.63	5.80	5.13	5.30	4.93	4.60	.....	.....	4.52
0.23	0.00	0.03	0.29	0.61	1.06	1.23	0.93	0.92	0.79	0.87	0.85	0.83	0.86
0.42	0.00	0.53	1.31	1.74	2.12	2.23	2.22	2.36	2.24	2.16	.....	.....	2.28
2.56	3.92	4.54	4.40	3.68	3.42	3.24	3.36	3.20	2.77	2.14	.....	.....	2.44
3.30	4.21	5.11	4.96	4.75	4.18	3.55	3.30	3.31	3.04	2.97	.....	.....	2.77
3.15	3.35	3.21	2.80	1.95	1.36	1.10	1.33	1.58	1.80	.....	.....	.....	1.78
3.17	3.72	3.52	2.97	2.45	2.40	2.32	2.47	2.32	2.20	.....	.....	.....	2.09
1.26	2.43	3.05	3.24	3.24	3.13	2.66	2.35	2.46	2.18	1.85	.....	.....	1.85
0.00	0.38	1.18	2.06	3.20	3.48	2.40	1.80	1.54	1.32	0.98	.....	.....	1.79
1.75	3.13	4.33	4.68	4.53	4.05	3.48	3.10	3.08	2.88	2.61	2.15	2.11	2.43
0.23	0.65	1.13	1.63	2.06	2.10	1.80	1.45	1.20	0.93	0.58	.....	.....	1.10
0.38	1.44	2.69	3.72	4.26	4.32	3.78	3.22	3.30	2.99	2.97	.....	.....	2.76

meter No. II.

0.8	0.00	0.00	0.4	1.1	1.9	2.3	2.3	1.9	1.4	1.3	.....	.....	1.4
0.69	0.00	0.25	0.89	1.68	2.13	1.91	1.34	1.00	0.67	0.53	.....	.....	1.34
3.72	3.78	3.98	4.10	3.70	3.24	2.80	1.92	2.30	2.24	2.12	.....	.....	2.27
1.08	0.00	0.15	0.65	0.77	1.60	2.17	2.17	2.15	1.95	1.98	.....	.....	1.94
3.10	4.24	4.16	3.82	3.44	3.02	2.20	1.24	1.88	1.84	1.66	.....	.....	2.42
5.84	6.44	6.84	7.40	7.44	6.80	5.94	5.07	5.20	4.64	4.37	.....	.....	4.55
0.13	0.00	0.19	0.67	1.24	1.76	1.96	1.52	1.21	0.97	1.05	0.98	0.83	1.14
0.11	0.00	0.70	1.19	1.46	1.69	1.75	1.59	1.54	1.44	1.13	.....	.....	1.45
1.76	2.46	3.26	3.08	2.38	2.22	2.15	1.96	1.96	1.78	1.73	.....	.....	1.72
3.58	4.50	5.53	5.43	5.18	4.63	4.00	3.71	3.64	3.41	3.06	.....	.....	3.07
4.23	4.67	4.60	4.37	3.68	3.25	2.83	2.95	2.88	2.60	.....	.....	.....	2.83
3.35	3.78	3.63	3.33	2.85	2.83	2.78	2.80	2.75	2.23	.....	.....	.....	2.29
2.09	3.56	4.49	4.82	4.80	4.38	3.72	3.23	3.15	2.63	2.28	.....	.....	2.47
0.00	0.35	1.45	3.10	4.30	4.25	4.00	4.15	3.95	3.70	3.05	.....	.....	2.69
2.10	3.90	5.12	5.70	5.67	5.25	4.63	4.17	4.05	3.90	3.60	3.22	3.07	3.10
0.50	1.13	1.83	2.48	3.03	3.18	2.96	2.50	2.26	1.88	1.40	.....	.....	1.58
0.89	2.17	3.33	4.33	4.72	4.55	3.91	3.10	2.71	2.60	2.29	.....	.....	2.62

meter No. III.

1.4	0.2	0.00	0.5	1.5	2.7	3.3	2.9	2.2	1.6	1.4	.....	.....	1.9
0.87	0.00	0.05	0.70	1.68	2.39	2.43	1.86	1.62	1.45	1.43	.....	.....	2.02
4.00	4.10	4.22	4.22	3.96	3.50	3.06	2.37	2.67	2.59	2.49	.....	.....	2.46
4.16	5.28	5.62	5.04	4.82	4.52	3.86	3.44	3.62	3.72	3.40	.....	.....	3.17
6.17	7.14	7.74	7.97	7.74	6.70	5.60	4.54	4.57	4.14	3.80	.....	.....	4.38
0.00	0.06	0.82	1.58	2.01	2.30	2.31	2.17	2.04	1.76	1.45	.....	.....	1.52
3.36	4.26	5.15	5.00	4.77	4.23	3.59	3.29	3.30	2.97	2.60	.....	.....	2.77
3.02	3.99	4.97	4.89	4.72	4.25	3.77	3.57	3.38	3.09	3.16	.....	.....	2.89
2.94	3.90	4.88	4.75	4.48	4.08	3.40	3.17	3.12	2.89	2.62	.....	.....	2.59
0.73	2.06	3.46	4.47	5.01	5.01	4.40	3.61	3.57	3.15	2.84	.....	.....	2.89

Oscillation of Declination at Singa-

Astron. Mean Time.	12.	13.	14.	15.	16.	17.	18.	19.	20.	21.	22.
November .....1848...	2.27	3.02	2.40	1.52	0.16	0.00	0.85	1.96
December	2.74	2.50	2.19	1.36	0.10	0.00	0.96	2.02
Sums	5.01	5.52	4.59	2.88	0.26	0.00	1.81	3.98
Means	2.50	2.76	2.29	1.44	0.13	0.00	0.90	1.99
Oscillation	2.50	2.76	2.29	1.44	0.13	0.00	0.90	1.99

No.

November .....1848...	... ..	.....	.....	2.20	1.99	1.66	0.76	0.38	0.00	1.14	2.24
December .....	.....	.....	.....	2.26	2.05	1.80	0.80	0.00	0.43	1.21	2.12
Sums .....	.....	.....	.....	4.46	4.04	3.46	1.56	0.38	0.43	2.35	4.36
Means .....	.....	.....	.....	2.23	2.02	1.73	0.78	0.19	0.21	1.17	2.18
Oscillation .....	.....	.....	.....	2.04	1.83	1.54	0.59	0.00	0.02	0.98	1.99

Oscillation of the Declination at Batavia in Java,

November .....1846...	2.3	1.9	2.0	1.8	1.7	1.7	0.8	0.2	0.0	0.4	1.1
December	2.6	2.5	2.5	2.3	2.2	1.8	1.1	0.1	0.0	0.4	1.4
January .....1847...	2.2	2.3	2.1	2.6	2.5	2.2	1.7	0.3	0.0	0.4	0.9
February	2.7	2.8	2.7	3.3	3.4	3.4	3.3	2.0	0.7	0.0	0.3
Sums	9.8	9.5	9.3	10.0	9.8	9.1	6.9	2.6	0.7	1.2	3.7
Means	2.45	2.37	2.32	2.50	2.45	2.27	1.72	0.65	0.17	0.30	0.92
Oscillation	2.28	2.20	2.15	2.33	2.28	2.10	1.55	0.48	0.00	0.13	0.75

Oscillation of the Declination at Batavia in Java,

March .....1847...	.....	.....	.....	1.8	1.6	1.4	1.3	0.7	0.0	1.1	0.7
April .....	.....	.....	.....	2.7	2.6	2.4	2.5	1.9	0.9	0.0	0.4
May .....	.....	.....	.....	1.6	1.6	1.7	2.1	2.1	1.2	0.4	0.0
June .....	.....	.....	.....	0.9	1.0	1.1	1.4	2.0	1.3	0.6	0.6
Sums .....	.....	.....	.....	7.0	6.8	6.6	7.3	6.7	3.4	2.1	1.7
Means .....	.....	.....	.....	1.75	1.70	1.65	1.82	1.67	0.85	0.52	0.42
Oscillation .....	.....	.....	.....	1.33	1.28	1.23	1.40	1.25	0.43	0.10	0.00

Oscillation of the Declination at Sarawak in Borneo,

June .....1846...	1.17	1.38	1.61	1.79	1.83	2.02	2.52	3.24	2.70	1.73	0.96
July	0.80	0.93	1.24	1.42	1.63	1.77	2.27	2.92	2.36	1.43	0.75
August	1.18	1.22	1.33	1.55	1.70	1.88	2.58	3.64	3.09	1.67	1.19
Sums	3.15	3.53	4.18	4.76	5.16	5.67	7.37	9.80	8.15	4.83	2.90
Means	1.05	1.18	1.39	1.59	1.72	1.89	2.46	3.27	2.72	1.61	0.97
Oscillation	1.00	1.13	1.34	1.54	1.67	1.84	2.41	3.22	2.67	1.56	0.92

Oscillation of the Declination at Padang in Sumatra,

October .....1847...	.....	.....	.....	1.61	1.53	1.55	1.43	1.12	0.68	0.48	0.00
November .....	.....	.....	.....	1.82	1.84	1.54	0.83	0.00	0.13	0.18	0.69
December .....	.....	.....	.....	2.78	2.69	2.36	1.67	0.61	0.00	0.46	1.16
January .....1848...	.....	.....	.....	2.22	2.07	1.85	1.08	0.17	0.00	0.37	0.76
Sums .....	.....	.....	.....	8.43	8.13	7.30	5.01	1.90	0.81	1.49	2.51
Means .....	.....	.....	.....	2.11	2.03	1.82	1.25	0.47	0.20	0.37	0.65
Oscillation .....	.....	.....	.....	1.91	1.83	1.62	1.05	0.27	0.00	0.17	0.45

pore, Eastern Archipelago.—No. IV.

23.	Noon.	1.	2.	3.	4.	5.	6.	7.	8.	9.	10.	11.	Mean.
3.12	3.95	5.04	4.87	5.07	4.41	3.96	3.96	3.40	3.00	2.58	.....	.....	2.98
2.93	4.04	4.90	4.92	4.37	4.09	3.59	3.19	3.36	3.19	3.74	.....	.....	2.80
6.05	7.99	9.94	9.79	9.44	8.50	7.55	7.15	6.76	6.19	6.32	.....	.....	5.78
3.02	3.99	4.97	4.89	4.72	4.25	3.77	3.57	3.38	3.09	3.16	.....	.....	2.89
3.02	3.99	4.97	4.89	4.72	4.25	3.77	3.57	3.38	3.09	3.16	.....	.....	2.89

V.

3.29	4.27	5.31	4.99	4.96	4.59	3.88	3.89	3.72	3.41	3.14	.....	.....	2.94
2.97	3.92	4.83	4.89	4.39	3.95	3.31	2.83	2.90	2.75	2.49	.....	.....	2.63
6.26	8.19	10.14	9.88	9.35	8.54	7.19	6.72	6.62	6.16	5.63	.....	.....	5.57
3.13	4.09	5.07	4.94	4.67	4.27	3.59	3.36	3.31	3.08	2.81	.....	.....	2.78
2.94	3.90	4.88	4.75	4.48	4.08	3.40	3.17	3.12	2.89	2.62	.....	.....	2.59

Eastern Archipelago.—Declinometer No. I.

2.2	3.3	4.6	4.6	4.3	3.9	3.6	3.0	2.9	2.6	2.5	2.2	2.2	2.3
2.2	3.4	4.2	4.4	4.2	3.9	3.3	2.9	2.9	2.8	2.7	2.5	2.3	2.5
1.8	3.2	4.3	4.5	4.3	3.6	3.1	3.0	3.1	2.9	2.2	2.0	2.0	2.4
1.5	3.3	4.9	5.9	6.0	5.5	4.6	4.2	4.1	3.9	3.7	2.5	2.6	3.3
7.7	13.2	18.0	19.4	18.8	16.9	14.6	13.1	13.0	12.2	11.1	9.2	9.1	10.5
1.92	3.30	4.50	4.85	4.70	4.22	3.65	3.27	3.25	3.05	2.78	2.30	2.28	2.62
1.75	3.13	4.33	4.68	4.53	4.05	3.48	3.10	3.08	2.88	2.61	2.15	2.11	2.43

Eastern Archipelago.—Declinometer No. I.

1.4	2.1	2.5	2.8	2.7	2.6	2.3	2.2	2.1	1.9	1.3	.....	.....	1.7
1.2	2.0	2.6	3.0	3.3	3.1	3.0	2.9	2.6	2.3	2.1	.....	.....	2.2
0.0	0.1	0.7	1.5	2.2	2.6	2.3	1.7	1.3	0.9	0.6	.....	.....	1.3
0.0	0.1	0.4	0.9	1.7	1.8	1.3	0.7	0.5	0.3	0.0	.....	.....	0.9
2.6	4.3	6.2	8.2	9.9	10.1	8.9	7.5	6.5	5.4	4.0	.....	.....	6.1
0.65	1.07	1.55	2.05	2.48	2.52	2.22	1.87	1.62	1.35	1.00	.....	.....	1.52
0.23	0.63	1.13	1.63	2.06	2.10	1.80	1.45	1.20	0.93	0.58	.....	.....	1.10

Eastern Archipelago.—Declinometer No. I.

0.42	0.08	0.00	0.27	0.53	0.87	0.91	0.71	0.85	0.72	0.81	0.87	0.92	1.20
0.29	0.08	0.00	0.11	0.43	0.79	1.08	0.78	0.64	0.54	0.52	0.55	0.59	1.00
0.13	0.00	0.23	0.65	1.02	1.67	1.86	1.46	1.42	1.27	1.42	1.28	1.14	1.42
0.84	0.16	0.23	1.03	1.98	3.33	3.85	2.95	2.91	2.53	2.75	2.70	2.65	3.62
0.28	0.05	0.08	0.34	0.66	1.11	1.28	0.98	0.97	0.84	0.92	0.90	0.88	0.91
0.23	0.00	0.03	0.29	0.61	1.06	1.23	0.93	0.92	0.79	0.87	0.85	0.83	0.86

Eastern Archipelago.—Declinometer No. I.

0.78	2.12	2.91	3.13	2.90	2.83	2.43	2.28	2.03	1.78	1.33	.....	.....	1.73
1.83	2.79	3.34	3.45	3.18	2.93	2.55	2.36	2.36	2.08	1.81	.....	.....	1.88
1.97	3.18	3.75	3.95	4.25	4.16	3.69	3.04	3.15	3.10	2.85	.....	.....	2.57
1.25	2.42	3.00	3.24	3.45	3.39	2.79	2.52	3.12	2.55	2.22	.....	.....	8.02
5.83	10.51	13.00	13.77	13.78	13.31	11.46	10.20	10.66	9.51	8.21	.....	.....	8.20
1.46	2.63	3.25	3.44	3.44	3.33	2.86	2.55	2.66	2.38	2.05	.....	.....	2.05
1.26	2.43	3.05	3.24	3.24	3.13	2.66	2.35	2.46	2.18	1.85	.....	.....	1.85

Oscillation of the Declination at Singapore,

Astron. Mean Time.	12.	13.	14.	15.	16.	17.	18.	19.	20.	21.	22.
November .....1848....	2.33	1.94	1.53	0.70	0.00	0.10	0.93	2.16
December	2.38	2.11	1.79	0.85	0.00	0.21	1.28	2.27
Means	2.36	2.02	1.66	0.77	0.00	0.15	1.10	2.21

Oscillation of the Declination at Batavia in

November ...1846.....	2.4	2.2	2.1	1.9	1.8	1.7	0.9	0.1	0.0	0.4	1.2
December	3.2	3.0	2.9	2.7	2.4	2.1	1.3	0.3	0.0	0.5	1.5
January .....1847.....	3.7	3.7	3.6	2.9	2.7	2.4	1.8	0.4	0.0	0.5	1.2
February	3.9	4.1	3.8	3.7	3.8	3.7	3.5	2.2	0.6	0.0	0.5
Sums	13.2	13.0	12.4	11.2	10.7	9.9	7.5	3.0	0.6	1.4	4.4
Means	3.40	3.25	3.10	2.80	2.70	2.50	1.90	0.75	0.15	0.35	1.10
Oscillation	3.25	3.10	2.95	2.65	2.55	2.35	1.75	0.60	0.00	0.20	0.95

Oscillation of the Declination at Batavia in

March .....1847.....	.....	.....	.....	2.3	2.1	1.7	1.5	0.9	0.0	1.2	0.8
April .....	.....	.....	.....	2.8	2.7	2.5	2.4	2.0	0.8	0.0	0.5
May .....	.....	.....	.....	1.6	1.6	1.6	2.0	1.9	1.1	0.4	0.0
June .....	.....	.....	.....	0.6	0.7	0.7	1.0	1.6	0.9	0.3	0.0
Sums .....	.....	.....	.....	7.3	7.1	6.5	6.9	6.4	2.8	1.9	1.3
Means .....	.....	.....	.....	1.82	1.78	1.62	1.72	1.60	0.70	0.47	0.32
Oscillation .....	.....	.....	.....	1.50	1.46	1.30	1.40	1.28	0.38	0.15	0.00

Oscillation of the Declinometer No. III.

November ...1848.....	.....	.....	.....	2.32	1.92	1.48	0.64	0.09	0.00	0.94	2.16
December .....	.....	.....	.....	2.45	2.20	1.84	0.93	0.00	0.25	1.30	2.36
Means .....	.....	.....	.....	2.38	2.06	1.66	0.78	0.04	0.12	1.12	2.26
Oscillation .....	.....	.....	.....	2.34	2.02	1.62	0.74	0.00	0.08	1.08	2.22

Oscillation of the Declination at Sarawak in

June .....1846.....	0.65	0.84	1.03	1.14	1.14	1.28	1.76	2.45	1.86	1.00	0.41
July	1.19	1.23	2.23	1.58	1.64	1.61	1.89	2.42	2.00	0.86	0.19
August	0.68	0.69	0.85	0.94	1.01	1.29	1.98	2.85	2.40	1.15	0.51
Sums	2.52	2.76	4.11	3.66	3.79	4.18	5.63	7.72	6.26	3.01	1.11
Means	0.84	0.92	1.37	1.22	1.26	1.39	1.88	2.57	2.09	1.00	0.37
Oscillation	0.84	0.92	1.37	1.22	1.26	1.39	1.88	2.57	2.09	1.00	0.37

Oscillation of the Declination at Padang in Sumatra,

October .....1847.....	.....	.....	.....	1.21	1.15	1.12	0.98	0.61	0.22	0.03	0.00
November .....	.....	.....	.....	1.98	1.94	1.64	0.94	0.00	0.16	0.29	1.06
December .....	.....	.....	.....	2.66	2.59	2.26	1.65	0.43	0.00	0.71	1.81
January .....1848.....	.....	.....	.....	2.15	1.97	1.67	0.92	0.05	0.00	0.75	1.41
Sums .....	.....	.....	.....	8.00	7.65	6.69	4.49	1.09	0.38	1.78	4.28
Means .....	.....	.....	.....	2.00	1.91	1.67	1.12	0.27	0.09	0.44	1.07
Oscillation .....	.....	.....	.....	1.91	1.82	1.58	1.03	0.18	0.00	0.35	0.98

Eastern Archipelago.—Declinometer No. I.

23.	Noon.	1.	2.	3.	4.	5.	6.	7.	8.	9.	10.	11.	Mean.
3·47	4·24	5·22	5·02	5·07	4·35	3·76	3·74	3·60	3·33	2·94	.....	.....	2·86
3·12	4·19	5·01	4·90	4·42	4·02	3·33	2·85	3·03	2·75	3·01	.....	.....	2·68
3·30	4·21	5·11	4·96	4·75	4·18	3·55	3·30	3·31	3·04	2·97	.....	.....	2·77

Java, Eastern Archipelago.—Declinometer No. II.

2·4	3·9	4·8	5·2	5·0	4·6	4·0	3·4	3·2	2·8	2·6	2·3	2·3	2·5
2·5	4·2	5·3	5·7	5·6	5·4	4·9	4·3	4·2	3·9	3·5	3·2	2·8	3·3
2·0	4·0	5·1	5·5	5·5	4·9	4·4	4·2	4·2	4·5	4·2	3·8	3·6	3·2
2·1	4·1	5·9	7·0	7·2	6·7	5·8	5·4	5·2	5·0	4·7	4·2	4·2	4·0
9·0	16·2	21·1	23·4	23·3	21·6	19·1	17·3	16·8	16·2	15·0	13·5	12·9	13·0
2·25	4·05	5·27	5·85	5·82	5·40	4·78	4·32	4·20	4·05	3·75	3·37	3·22	3·25
2·10	3·90	5·12	5·70	5·67	5·25	4·63	4·17	4·05	3·90	3·60	3·22	3·07	3·10

Java, Eastern Archipelago.—Declinometer No. II.

1·8	2·7	3·3	3·7	3·7	3·7	3·6	3·4	3·3	3·0	2·2	.....	.....	2·3
1·3	2·3	3·1	3·7	4·1	4·0	3·9	3·8	3·4	3·1	2·7	.....	.....	2·5
0·1	0·5	1·3	2·1	3·0	3·4	3·1	2·4	2·0	1·5	1·1	.....	.....	1·6
0·1	0·3	0·9	1·7	2·6	2·9	2·5	1·7	1·6	1·2	0·9	.....	.....	1·2
3·3	5·8	8·6	11·2	13·4	14·0	13·1	11·3	10·3	8·8	6·9	.....	.....	7·6
0·82	1·45	2·15	2·80	3·35	3·50	3·28	2·82	2·58	2·20	1·72	.....	.....	1·90
0·50	1·13	1·83	2·48	3·03	3·18	2·96	2·50	2·26	1·88	1·40	.....	.....	1·58

at Singapore, Eastern Archipelago.

3·57	4·29	5·29	5·04	5·09	4·40	3·80	3·69	3·54	3·19	2·85	.....	.....	2·86
3·23	4·31	5·10	5·04	4·53	4·14	3·47	2·97	3·15	2·83	2·44	.....	.....	2·77
3·40	4·30	5·19	5·04	4·81	4·27	3·63	3·33	3·34	3·01	2·64	.....	.....	2·81
3·36	4·26	5·15	5·00	4·77	4·23	3·59	3·29	3·30	2·97	2·60	.....	.....	2·77

Borneo, Eastern Archipelago.—Declinometer No. II.

0·17	0·00	0·16	0·63	0·93	1·24	1·35	0·99	0·88	0·55	0·63	0·57	0·57	0·93
0·15	0·01	0·00	0·36	1·28	1·67	2·11	1·69	1·39	1·31	1·35	1·23	1·18	1·26
0·08	0·00	0·42	1·03	1·50	2·36	2·41	1·87	1·35	1·06	1·16	0·93	0·75	1·22
0·40	0·01	0·58	2·02	3·71	5·27	5·87	4·55	3·62	2·92	3·14	2·73	2·50	3·41
0·13	0·00	0·19	0·67	1·24	1·76	1·96	1·52	1·21	0·97	1·05	0·98	0·83	1·14
0·13	0·00	0·19	0·67	1·24	1·76	1·96	1·52	1·21	0·97	1·05	0·98	0·83	1·14

Eastern Archipelago.—Declinometer No. II.

0·98	2·59	3·80	4·16	3·80	3·12	2·53	2·43	2·20	1·61	1·23	.....	.....	1·78
2·45	3·69	4·40	4·61	4·39	4·04	3·51	3·14	2·98	2·56	2·27	.....	.....	2·42
3·01	4·53	5·41	5·71	6·10	5·76	5·08	4·07	3·88	3·56	3·21	.....	.....	3·29
2·28	3·78	4·69	5·14	5·29	4·96	4·12	3·63	3·87	3·16	2·77	.....	.....	2·77
8·72	14·59	18·30	19·62	19·58	17·88	15·24	13·27	12·93	10·89	9·48	.....	.....	10·26
2·18	3·65	4·58	4·91	4·89	4·47	3·81	3·32	3·24	2·72	2·37	.....	.....	2·56
2·09	3·56	4·49	4·82	4·80	4·38	3·72	3·23	3·15	2·63	2·28	.....	.....	2·47

Oscillation of the Declination at Singapore,

Astron. Mean Time.	12.	13.	14.	15.	16.	17.	18.	19.	20.	21.	22.
November .....1848...	2.61	2.29	1.82	1.05	0.22	0.00	0.92	2.25
December	2.72	2.50	2.25	1.29	0.00	0.04	1.28	2.50
Mean	2.66	2.39	2.03	1.17	0.11	0.02	1.10	2.37
Oscillation	2.64	2.37	2.01	1.15	0.09	0.00	1.08	2.35

Mean Hourly Oscillation of the Magnetic Declination at Singapore

December	2.34	2.34	2.27	2.16	2.08	1.72	0.88	0.00	0.01	0.64	1.49
January	2.43	2.35	2.24	2.10	1.88	1.53	0.91	0.03	0.00	0.62	1.15
February	2.88	2.82	2.80	2.82	2.67	2.47	1.93	0.78	0.04	0.00	0.52
Sums	7.65	7.51	7.31	7.08	6.63	5.72	3.72	0.81	0.05	1.26	3.16
Means	2.55	2.50	2.44	2.36	2.21	1.91	1.24	0.27	0.02	0.42	1.05
Oscillation	2.53	2.48	2.42	2.34	2.19	1.89	1.22	0.25	0.00	0.40	1.03

Mean Hourly Oscillation of the Magnetic Declina-

March	1.25	1.30	1.28	1.24	1.18	1.15	1.16	0.71	0.00	0.11	0.75
April	1.22	1.38	1.44	1.43	1.31	1.22	1.66	1.43	0.47	0.00	0.28
May	1.56	1.73	1.91	1.96	2.01	2.11	3.05	3.34	2.07	1.00	0.42
Sums	4.03	4.41	4.63	4.63	4.50	4.58	5.87	5.48	2.54	1.11	1.45
Means	1.34	1.47	1.54	1.54	1.50	1.53	1.96	1.83	0.85	0.37	0.48
Oscillation	0.97	1.10	1.17	1.17	1.13	1.16	1.59	1.46	0.48	0.00	0.11

Mean Hourly Oscillation of the Magnetic Declina-

June	0.55	0.78	0.86	1.00	1.03	1.21	1.96	2.32	1.23	0.62	0.00
July	0.77	1.01	1.20	1.13	1.15	1.65	2.44	2.87	1.89	0.78	0.15
August	1.81	2.01	2.09	2.18	2.24	2.52	3.66	4.05	2.59	1.13	0.23
Sums	3.13	3.80	4.15	4.31	4.42	5.38	8.06	9.24	5.71	2.53	0.38
Means	1.04	1.27	1.38	1.44	1.47	1.79	2.69	3.08	1.90	0.84	0.13
Oscillation	0.97	1.20	1.31	1.37	1.40	1.72	2.62	3.01	1.83	0.77	0.06

Mean Hourly Oscillation of the Magnetic Declina-

September	1.67	1.83	1.85	1.91	2.01	2.07	2.86	2.57	1.12	0.26	0.00
October	2.06	2.02	2.02	1.90	1.82	1.64	1.68	0.84	0.18	0.00	0.42
November	2.06	2.09	2.04	1.90	1.68	1.45	0.68	0.00	0.02	0.35	1.16
Sums	5.79	5.94	5.91	5.71	5.51	5.16	5.22	3.41	1.32	0.61	1.58
Means	1.93	1.98	1.97	1.90	1.84	1.72	1.74	1.14	0.44	0.20	0.53
Oscillation	1.73	1.78	1.77	1.70	1.64	1.52	1.54	0.94	0.24	0.00	0.33

Mean Hourly Oscillation of the Magnetic Declina-

Winter	2.53	2.48	2.42	2.34	2.19	1.89	1.22	0.25	0.00	0.40	1.03
Spring	0.97	1.10	1.17	1.17	1.13	1.16	1.59	1.46	0.48	0.00	0.11
Summer	0.97	1.20	1.31	1.37	1.40	1.72	2.62	3.01	1.83	0.77	0.06
Autumn	1.73	1.78	1.77	1.70	1.64	1.52	1.54	0.94	0.24	0.00	0.33
Sums	6.20	6.56	6.67	6.58	6.36	6.29	6.97	5.66	2.55	1.17	1.53
Means	1.55	1.64	1.67	1.64	1.59	1.57	1.74	1.41	0.64	0.29	0.38
Oscillation	1.26	1.35	1.38	1.35	1.30	1.28	1.45	1.12	0.35	0.00	0.09

Eastern Archipelago.—Declinometer No. II.

22.	Noon.	1.	2.	3.	4.	5.	6.	7.	8.	9.	10.	11.	Mean.
3.64	4.52	5.68	5.40	5.50	4.80	4.19	4.15	3.94	3.68	3.32	.....	.....	3.16
3.55	4.53	5.42	5.50	4.90	4.51	3.86	3.31	3.38	3.18	2.85	.....	.....	3.03
3.60	4.52	5.55	5.45	5.20	4.65	4.02	3.73	3.66	3.43	3.08	.....	.....	3.09
3.58	4.50	5.53	5.43	5.18	4.63	4.00	3.71	3.64	3.41	3.06	.....	.....	3.07

in the Winter Months of 1843, 1844, 1845.—Scale Divisions.

2.60	3.70	4.40	4.43	4.35	4.20	3.60	3.19	3.01	2.86	2.65	2.49	2.41	2.49
1.80	2.97	3.74	4.09	4.00	3.70	3.29	3.14	3.17	2.97	2.85	2.66	2.46	2.34
2.12	3.36	4.32	4.63	4.49	4.08	3.72	3.43	3.39	3.21	3.02	2.84	2.81	2.70
6.52	10.03	12.46	13.15	12.84	11.98	10.61	9.76	9.57	9.04	8.52	7.99	7.68	7.53
2.17	3.34	4.15	4.38	4.28	3.99	3.54	3.25	3.19	3.01	2.84	2.66	2.56	2.51
2.15	3.32	4.13	4.36	4.26	3.97	3.52	3.23	3.17	2.99	2.82	2.64	2.54	2.49

tion in the Spring Months of 1843, 1844, 1845.

1.52	1.90	2.09	2.41	2.59	2.35	2.08	1.88	1.61	1.38	1.27	1.21	1.19	1.40
0.58	0.53	0.90	1.09	1.50	1.72	1.67	1.44	1.17	0.93	0.82	0.92	1.04	1.09
0.00	0.09	0.71	1.21	1.66	2.04	1.44	1.48	1.27	1.08	1.00	1.11	1.16	1.49
2.10	2.52	3.70	4.71	5.75	6.11	5.19	4.80	4.05	3.39	3.09	3.24	3.39	3.98
0.70	0.84	1.23	1.57	1.92	2.04	1.73	1.60	1.35	1.13	1.03	1.08	1.13	1.33
0.33	0.47	0.86	1.20	1.55	1.67	1.36	1.23	0.98	0.76	0.66	0.71	0.76	0.96

tion in the Summer Months of 1843, 1844, 1845.

0.22	0.29	0.62	0.79	0.89	0.77	0.54	0.15	0.04	0.03	0.04	0.08	0.25	0.58
0.00	0.07	0.55	0.89	1.26	1.49	1.31	0.74	0.48	0.35	0.31	0.39	0.52	0.99
0.00	0.32	0.95	1.46	2.25	2.39	2.66	2.14	1.91	1.63	1.52	1.51	1.66	1.89
0.22	0.68	2.12	3.14	4.40	4.65	4.51	3.03	2.43	2.01	1.87	1.98	2.43	3.46
0.07	0.23	0.71	1.05	1.47	1.55	1.50	1.01	0.81	0.67	0.62	0.66	0.81	1.15
0.00	0.16	0.64	0.98	1.40	1.48	1.43	0.94	0.74	0.60	0.57	0.59	0.74	1.08

tion in the Autumn Months of 1843, 1844, 1845.

0.26	0.71	1.34	1.97	2.43	2.37	2.26	2.15	1.91	1.68	1.60	1.53	1.55	1.97
1.50	2.77	3.38	3.42	3.20	2.86	2.61	2.59	2.40	2.18	2.03	1.92	1.88	1.97
2.37	3.61	4.25	4.41	4.17	3.61	3.05	2.88	2.72	2.46	2.27	2.01	2.03	2.22
4.13	7.09	8.97	9.80	9.80	8.84	7.92	7.62	7.03	6.32	5.90	5.46	5.46	6.16
1.38	2.36	2.99	3.27	3.27	2.95	2.64	2.54	2.34	2.11	1.97	1.82	1.82	2.05
1.18	2.16	2.79	3.07	3.07	2.75	2.44	2.34	2.14	1.91	1.77	1.62	1.62	1.85

nation in the four Seasons of 1843, 1844, 1845.

2.15	3.32	4.13	4.36	4.26	3.97	3.52	3.23	3.17	2.99	2.82	2.64	2.54	2.49
0.33	0.47	0.86	1.20	1.55	1.67	1.36	1.23	0.98	0.76	0.66	0.71	0.76	0.96
0.00	0.16	0.64	0.98	1.40	1.48	1.43	0.94	0.74	0.60	0.57	0.59	0.74	1.08
1.18	2.16	2.79	3.07	3.07	2.75	2.44	2.34	2.14	1.91	1.77	1.62	1.62	1.85
3.66	6.11	8.42	9.61	10.28	9.87	8.75	7.74	7.03	6.26	5.82	5.56	5.66	6.38
0.91	1.53	2.11	2.40	2.57	2.47	2.19	1.93	1.76	1.56	1.45	1.39	1.41	1.59
0.62	1.24	1.82	2.11	2.28	2.18	1.90	1.64	1.47	1.27	1.16	1.10	1.12	1.30

Mean Hourly Oscillation of the Magnetic Declina-

Singapore Astron. Mean Time.	12.	13.	14.	15.	16.	17.	18.	19.	20.	21.	22.
December	2.34	2.34	2.27	2.16	2.08	1.72	0.88	0.00	0.01	0.64	1.49
January	2.43	2.35	2.24	2.10	1.88	1.53	0.91	0.03	0.00	0.62	1.15
February	2.88	2.82	2.80	2.82	2.67	2.47	1.93	0.78	0.04	0.00	0.52
March	1.25	1.30	1.28	1.24	1.18	1.15	1.16	0.71	0.00	0.11	0.75
April	1.22	1.38	1.44	1.43	1.31	1.22	1.66	1.43	0.47	0.00	0.28
May	1.56	1.73	1.91	1.96	2.01	2.11	3.05	3.34	2.07	1.00	0.42
June	0.55	0.78	0.86	1.00	1.03	1.21	1.96	2.32	1.23	0.62	0.00
July	0.77	1.01	1.20	1.13	1.15	1.65	2.44	2.87	1.89	0.78	0.15
August	1.81	2.01	2.09	2.18	2.24	2.52	3.66	4.05	2.59	1.13	0.23
September	1.67	1.83	1.85	1.91	2.01	2.07	2.86	2.57	1.12	0.26	0.00
October	2.06	2.02	2.02	1.90	1.82	1.64	1.68	0.84	0.18	0.00	0.42
November	2.06	2.09	2.04	1.90	1.68	1.45	0.68	0.00	0.02	0.35	1.16
Sums	20.60	21.66	22.00	21.73	21.06	20.74	22.87	18.94	9.62	5.51	6.57
Means	1.72	1.81	1.88	1.81	1.76	1.78	1.91	1.58	0.80	0.46	0.55
Oscillation	1.26	1.35	1.37	1.35	1.30	1.27	1.45	1.12	0.35	0.00	0.09

Mean Oscillation of the Magnetic Declination at Singapore											
1843	1.31	1.37	1.41	1.32	1.30	1.20	1.36	1.02	0.37	0.00	0.10
1844	1.36	1.46	1.49	1.51	1.46	1.41	1.57	1.23	0.38	0.00	0.04
1845	1.13	1.21	1.24	1.24	1.21	1.20	1.41	1.13	0.37	0.00	0.14
Sums	3.80	4.04	4.14	4.07	3.97	3.81	4.34	3.38	1.12	0.00	0.28
Oscillation	1.27	1.35	1.38	1.36	1.32	1.27	1.45	1.13	0.37	0.00	0.09

tion for each Month of the Years 1843, 1844, 1845.

23.	Noon.	1.	2.	3.	4.	5.	6.	7.	8.	9.	10.	11.	Mean.
2.60	3.70	4.40	4.43	4.35	4.20	3.60	3.19	3.01	2.86	2.65	2.49	2.41	2.49
1.80	2.97	3.74	4.09	4.00	3.70	3.29	3.14	3.17	2.97	2.85	2.66	2.46	2.34
2.12	3.36	4.32	4.63	4.49	4.08	3.72	3.43	3.39	3.21	3.02	2.84	2.81	2.70
1.52	1.90	2.09	2.41	2.59	2.35	2.08	1.88	1.61	1.38	1.27	1.21	1.19	1.40
0.58	0.53	0.90	1.09	1.50	1.72	1.67	1.44	1.17	0.93	0.82	0.92	1.04	1.09
0.00	0.09	0.71	1.21	1.66	2.04	1.44	1.48	1.27	1.08	1.00	1.11	1.16	1.49
0.22	0.29	0.62	0.79	0.89	0.77	0.54	0.15	0.04	0.03	0.04	0.08	0.25	0.58
0.00	0.07	0.55	0.89	1.26	1.49	1.31	0.74	0.48	0.35	0.31	0.39	0.52	0.99
0.00	0.32	0.95	1.46	2.25	2.39	2.66	2.14	1.91	1.63	1.52	1.51	1.66	1.89
0.26	0.71	1.34	1.97	2.43	2.37	2.26	2.15	1.91	1.68	1.60	1.53	1.55	1.97
1.50	2.77	3.38	3.42	3.20	2.86	2.61	2.59	2.40	2.18	2.03	1.92	1.88	1.97
2.37	3.61	4.25	4.41	4.17	3.61	3.05	2.88	2.72	2.46	2.27	2.01	2.03	2.22
12.97	20.32	27.25	30.80	32.79	31.58	28.23	25.21	23.08	20.76	19.38	18.67	18.96	21.13
1.08	1.69	2.27	2.57	2.73	2.63	2.35	2.10	1.92	1.73	1.61	1.55	1.58	1.76
0.61	1.22	1.80	2.10	2.27	2.17	1.90	1.64	1.46	1.27	1.15	1.09	1.12	1.30

during the three years of 1843, 1844, 1845, in Scale Divisions.

0.58	1.20	1.84	2.09	2.24	2.20	1.89	1.52	1.42	1.24	1.18	1.08	1.16	1.27
0.51	1.19	1.84	2.18	2.38	2.28	1.96	1.70	1.50	1.35	1.19	1.13	1.20	1.35
0.57	1.16	1.62	1.92	2.14	2.14	1.94	1.68	1.48	1.24	1.08	0.99	1.02	1.22
1.66	3.55	5.30	6.19	6.76	6.62	5.79	4.90	4.40	3.83	3.45	3.20	3.38	
0.56	1.19	1.78	2.07	2.25	2.20	1.92	1.63	1.47	1.28	1.15	1.06	1.12	1.28

TABLE A.

Observatory at Moulmein.—Hourly observations made during the

Astron. Mean Time of Station.	15.	16.	17.	18.	19.	20.	21.	22.	23.	0.	
$\alpha\left(1+\frac{H}{F}\right)=1' \times 1.000343=1'.000343$. Declinometer No. II.											
Sums	366.6	362.6	360.7	365.8	370.7	369.7	372.2	367.8	361.4	355.5	
Means of 7 days.....	52.37	51.80	51.53	52.26	52.96	52.81	53.17	52.54	51.63	50.79	
Diurnal changes.....	+0.2	-0.4	-0.7	+0.1	+0.8	+0.6	+1.0	+0.3	-0.6	-1.4	
Diurnal oscillation...	1.6	1.0	0.7	1.5	2.2	2.0	2.4	1.7	0.8	0.0	
Diurnal declination	19' 21" +2°	18.45	18' 27"	19' 15"	19' 57"	19' 45"	20' 09"	19' 27"	18' 33"	17' 45"	
$\alpha\left(1+\frac{H}{F}\right)=1'.004 \times 1.0004=1'.0044$. Declinometer No. III.											
Sums	593.3	590.1	588.9	592.2	596.4	597.9	597.9	594.9	588.9	582.9	
Means of 5 days.....	118.66	118.02	117.78	118.44	119.28	119.58	119.58	118.98	117.78	116.58	
Diurnal changes.....	+0.4	-0.3	-0.5	+0.1	+1.0	+1.3	+1.3	+0.7	-0.5	-1.7	
Diurnal oscillation...	2.3	1.6	1.4	2.0	2.9	3.2	3.2	2.6	1.4	0.2	
Diurnal declination	19' 15" +2°	18' 33"	18' 21"	18' 57"	19' 51'	20' 09'	20' 09'	19' 33"	18' 21"	17' 09"	

Observatory at Madras.—Hourly observations made during the Months of

$\alpha\left(1+\frac{H}{F}\right)=1' \times 1.00047=1'.00047$. Declinometer No. I.											
Sums	2713.0	2713.7	2715.9	2738.0	2777.3	2790.2	2755.7	2718.6	2678.6	2650.0	
Means of 34 days ...	79.79	79.81	79.88	80.53	81.69	82.06	81.05	79.96	78.78	77.94	
Diurnal changes.....	-0.21	-0.19	-0.12	+0.53	+1.69	+2.06	+1.05	-0.04	-1.22	-2.06	
Diurnal oscillation...	1.85	1.87	1.94	2.59	3.75	4.12	3.11	2.02	0.84	0.00	
Diurnal declination	54' 53" 0°	54' 55"	54' 59"	55' 38"	56' 47"	57' 10"	56' 09"	55' 04"	53' 53"	53' 02"	
$\alpha\left(1+\frac{H}{F}\right)=1' \times 1.00034=1'.00034$. Declinometer No. II.											
Sums	1276.1	1276.0	1280.3	1308.7	1345.0	1358.2	1333.1	1303.6	1272.1	1249.4	
Means of 33 days ...	38.67	38.67	38.80	39.66	40.76	41.15	40.40	39.50	38.55	37.86	
Diurnal changes ...	-0.53	-0.53	-0.40	+0.46	+1.56	+1.95	+1.20	+0.30	-0.65	-1.34	
Diurnal oscillation...	0.81	0.81	0.94	1.80	2.90	3.29	2.54	1.64	0.69	0.00	
Diurnal declination	54' 25" 0°	54' 25"	54' 33"	55' 25"	56' 31"	56' 54"	56' 09"	55' 15"	54' 18"	53' 37"	

TABLE A.

Month of April, 1849. Latitude $16^{\circ} 29' 46''$ N. Longitude $97^{\circ} 45' 30''$ E.Zero from 14th to 21st, 53.17. $\alpha = 2^{\circ} 20' 09''$ East.

1.	2.	3.	4.	5.	6.	7.	8.	9.	Sums.	Means.	Declin.
355.6	358.1	363.0	368.8	371.7	371.4	368.6	365.5	364.9	6940.6	365.2	
50.80	51.16	51.86	52.69	53.10	53.06	52.66	52.21	52.13	991.53	52.18	$2^{\circ} 19' 09''$
-1.4	-1.0	-0.3	+0.5	+0.9	+0.9	+0.5	0.0	-0.1			
0.0	0.4	1.1	1.9	2.3	2.3	1.9	1.4	1.3			
17' 45"	18' 09"	18' 51"	19' 39"	20' 03"	20' 03"	19' 39"	19' 09"	19' 03"			

Zero from 16th to 21st, 119.58. $\alpha = 2^{\circ} 20' 19''$ East.

582.2	584.5	589.5	595.5	598.4	596.6	592.8	589.9	588.9	11241.7	591.7	
116.44	116.90	117.90	119.10	119.68	119.32	118.56	117.98	117.78	2248.34	118.32	$2^{\circ} 18' 51''$
-1.9	-1.4	-0.4	+0.8	+1.4	+1.0	+0.3	-0.3	-0.5			
0.0	0.5	1.5	2.7	3.3	2.9	2.2	1.6	1.4			
16' 47"	17' 27"	18' 27"	19' 39"	20' 15"	19' 51"	19' 09"	18' 33"	18' 21"			

August and September, 1849. Latitude $13^{\circ} 04' 09''$ N. Longitude $80^{\circ} 16' 00''$ E.Zero from August 22nd to September 29th, 81.05. $\alpha = 0^{\circ} 56' 09''$ East.

2653.4	2682.8	2712.9	2742.4	2745.1	2733.9	2725.2	2718.8	2716.6	51682.1	2719.9	
78.04	78.91	79.79	80.66	80.74	80.41	80.15	79.86	79.90	1520.05	80.00	$0^{\circ} 55' 96''$
-1.96	-1.09	-0.21	+0.16	+0.74	+0.41	+0.15	-0.04	-0.10			
0.10	0.97	1.85	2.72	2.80	2.47	2.21	2.02	1.96			
53' 08"	53' 07"	54' 53"	55' 46"	55' 50"	55' 31"	55' 15"	55' 04"	55' 00"			

Zero from August 22nd to September 29th, 40.40. $\alpha = 0^{\circ} 56' 09''$ East.

1254.2	1278.7	1304.8	1319.8	1312.3	1293.6	1282.4	1271.4	1266.9	24586.6	1294.2	
38.01	38.75	39.54	39.99	39.77	39.20	38.86	38.53	38.39	745.06	39.20	
-1.09	-0.45	+0.34	+0.79	+0.57	0.00	-0.34	-0.67	-0.81			
0.25	0.89	1.68	2.13	1.91	1.34	1.00	0.67	0.53			
53' 52"	54' 30"	55' 17"	55' 44"	55' 31"	54' 57"	54' 37"	54' 17"	54' 08"			

TABLE A.

Observatory at Madras.—Hourly observations made during the Months of August

Astron. Mean Time of Station. }	15.	16.	17.	18.	19.	20.	21.	22.	23.	0.	
$\alpha\left(1+\frac{H}{F}\right)=1\cdot0047 \times 1\cdot0004=1\cdot0051.$ Declinometer No. III.											
Sums	351·8	355·0	356·5	384·0	431·8	437·3	400·0	354·9	314·1	285·5	
Means of 33 days ...	10·66	10·76	10·80	11·64	13·08	13·25	12·12	10·75	9·52	8·65	
Diurnal changes ...	−0·01	+0·09	+0·13	+0·97	+2·41	+2·58	+1·45	+0·08	−1·15	−2·02	
Diurnal oscillation...	2·01	2·11	2·15	2·99	4·43	4·60	3·47	2·10	0·87	0·00	
Diurnal declination .	54' 41" 0°	54' 47"	54' 50"	55' 40"	55' 11"	57' 17"	56' 09"	54' 47"	53' 33"	52' 41"	

Observatory at Car Nicobar.—Hourly observations made during the

$\alpha\left(1+\frac{H}{F}\right)=1' \times 1\cdot00047=1\cdot00047.$ Declinometer No. I.											
Sums	426·7	425·5	422·9	419·2	418·3	420·4	428·4	435·2	438·9	439·6	
Means of 5 days ...	85·34	85·10	84·58	83·84	83·66	84·08	85·68	87·04	87·78	87·92	
Diurnal changes.....	−1·00	−1·24	−1·76	−2·50	−2·68	−2·26	−0·66	+0·70	+1·44	+1·58	
Diurnal oscillation...	1·68	1·44	0·92	0·18	0·00	0·42	2·02	3·38	4·12	4·26	
Diurnal declination .	51' 39" +1°	51' 25"	50' 53"	49' 09"	49' 58"	50' 23"	51' 59"	53' 21"	54' 07"	54' 14"	
$\alpha\left(1+\frac{H}{F}\right)=1' \times 1\cdot00034=1\cdot00034.$ Declinometer No. II.											
Sums	250·0	249·0	247·2	243·2	242·8	244·7	203·0	257·6	261·4	261·7	
Means of 5 days ...	50·00	49·80	49·44	48·64	48·56	48·94	50·75	51·52	52·28	52·34	
Diurnal changes ...	−0·83	−1·03	−1·39	−2·19	−2·27	−1·89	−0·08	+0·69	+1·45	+1·51	
Diurnal oscillation...	1·44	1·24	0·88	0·08	0·00	0·38	2·19	2·96	3·72	3·78	
Diurnal declination .	51' 50" +1°	51' 38"	51' 16"	50' 28"	50' 23"	50' 46"	52' 35"	53' 21"	54' 07"	54' 10"	
$\alpha\left(1+\frac{H}{F}\right)=1\cdot004 \times 1\cdot0004=1\cdot004.$ Declinometer No. III.											
Sums	505·6	504·9	502·8	499·3	499·4	503·3	510·2	517·0	519·3	519·8	
Means of 5 days ...	101·12	100·98	100·56	99·86	99·88	100·66	102·04	103·40	103·86	103·96	
Diurnal changes ...	−1·20	−1·34	−1·76	−2·46	−2·44	−1·66	−0·28	+1·08	+1·54	+1·64	
Diurnal oscillation...	1·26	1·12	0·70	0·00	0·02	0·80	2·18	3·54	4·00	4·10	
Diurnal declination .	51' 04" +1°	50' 56"	50' 31"	49' 49"	49' 50"	50' 37"	51' 59"	53' 21"	53' 47"	53' 55"	

TABLE A.

and September, 1849. Latitude $13^{\circ} 04' 09''$ N. Longitude $80^{\circ} 16' 00''$ E. (*Continued.*)Zero from August 22nd to September 29th, 12.12. $\alpha = 0.56^{\circ} 09''$ East.

1.	2.	3.	4.	5.	6.	7.	8.	9.	Sums.	Means.	Declin.
287.2	308.4	341.0	364.3	365.5	346.8	338.8	333.2	332.7	6688.8	351.9	
8.70	9.35	10.33	11.04	11.08	10.51	10.27	10.10	10.08	202.69	10.67	
-1.97	-1.32	-0.34	+0.37	+0.41	-0.16	-0.40	-0.57	-0.59			
0.05	0.70	1.68	2.39	2.43	1.86	1.62	1.45	1.43			
52' 44"	53' 23"	54' 22"	55' 04"	55' 07"	54' 32"	54' 18"	54' 08"	54' 07"			

Month of February 1849. Latitude $9^{\circ} 10' 12''$ N. Longitude $92^{\circ} 48' 23''$ N.Zero from 6th to 10th of February, 87.04. $\alpha = 1^{\circ} 53' 21''.2$ East.

440.9	442.0	440.2	438.3	436.1	432.2	433.6	432.8	432.0	8203.2	431.7	
88.18	88.40	88.04	87.66	87.22	86.44	86.72	86.56	86.40	1640.64	86.34	$1^{\circ} 52' 39''$
+1.84	+2.06	+1.70	+1.32	+0.88	+0.10	+0.38	+0.22	+0.06			
4.52	4.74	4.38	4.00	3.56	2.78	3.06	2.90	2.74			
54' 29"	54' 43"	54' 21"	53' 58"	53' 31"	52' 45"	53' 02"	52' 52"	52' 43"			

Zero from February 6th to 10th, 51.52. $\alpha = 1^{\circ} 53' 21''$ East.

262.7	263.3	261.3	259.0	256.8	252.4	254.3	254.0	253.4	4777.8	254.1	
52.54	52.66	52.26	51.80	51.36	50.48	50.86	50.80	50.68	965.71	50.83	$1^{\circ} 52' 40''$
+1.71	+1.83	+1.43	+0.97	+0.53	-0.35	+0.03	-0.03	-0.15			
3.98	4.10	3.70	3.24	2.80	1.92	2.30	2.24	2.12			
54' 22"	54' 29"	54' 05"	53' 38"	53' 11"	51' 19"	52' 41"	52' 38"	52' 31"			

Zero from February 6th to 10th, 103.40. $\alpha = 1^{\circ} 53' 21''$ East.

520.4	520.4	519.1	516.8	514.6	408.9	410.1	409.8	409.4	9311.1	511.3	
104.08	104.08	103.82	103.36	102.92	102.23	102.53	102.45	102.35	1944.14	102.32	$1^{\circ} 52' 16''$
+1.76	+1.76	+1.50	+1.04	+0.60	-0.09	+0.21	+0.13	+0.03			
4.22	4.22	3.96	3.50	3.06	2.37	2.67	2.59	2.49			
54' 03"	54' 02"	53' 46"	53' 19"	52' 52"	52' 11"	52' 29"	52' 24"	52' 18"			

TABLE A.

Observatory at Samboangan.—Hourly observations made during the

Astron. Mean Time of Station. }	15.	16.	17.	18.	19.	20.	21.	22.	23.	0.	
$\alpha\left(1+\frac{H}{F}\right)=1' \times 1.000204+1'000204.$ Declinometer No. I.											
Sums	527.0	527.3	527.5	530.4	532.4	528.6	521.0	514.0	512.8	508.9	
Means of 6 days ...	87.83	87.88	87.92	88.40	88.73	88.10	86.83	85.67	85.47	84.82	
Diurnal changes ...	+1'.15	+1'.20	+1'.24	+1'.72	+2'.05	+1'.42	+0'.15	−1'.01	−1'.21	−1'.86	
Diurnal oscillation...	3'.01	3'.06	3'.10	3'.58	3'.91	3'.28	2'.01	0'.85	0'.65	0'.00	
Diurnal declination .	17' 34" +1°	17' 37"	17' 39"	18' 08"	18' 28"	17' 50"	16' 34"	15' 24"	15' 12"	14' 33"	
$\alpha\left(1+\frac{H}{F}\right)=1' \times 1.000250=1'00025.$ Declinometer No. II.											
Sums	316.3	316.6	316.4	319.5	318.4	259.2	256.4	303.4	303.5	297.0	
Means of 6 days ...	52.72	52.77	52.73	53.25	53.07	51.84	51.28	50.57	50.58	49.50	
Diurnal changes ...	+1'.28	+1'.33	+1'.29	+1'.81	+1'.63	+0'.40	−0'.16	−0'.87	−0'.86	−1'.94	
Diurnal oscillation...	3'.22	3'.27	3'.23	3'.75	3'.57	2'.34	1'.78	1'.07	1'.08	0'.00	
Diurnal declination .	17' 33" +1°	17' 36"	17' 34"	18' 05"	17' 54"	16' 40"	16' 07"	15' 24"	15' 25"	14' 20"	

Observatory at Penang.—Hourly observations made during the

$\alpha\left(1+\frac{H}{F}\right)=1' \times 1.00047=1'00047.$ Declinometer No. I.											
Sums	434.1	434.0	432.2	427.3	424.0	427.5	435.7	444.0	443.9	448.5	
Means of 5 days ...	86.82	86.80	86.44	85.46	84.80	85.50	87.14	88.80	88.78	89.70	
Diurnal changes ...	−0'.76	−0'.78	−1'.14	−2'.12	−2'.78	−2'.08	−0'.44	+1'.22	+1'.20	+2'.12	
Diurnal oscillation...	2'.02	2'.00	1'.64	0'.66	0'.00	0'.70	2'.34	4'.00	3'.98	4'.90	
Diurnal declination .	47' 47" +1°	47' 46"	47' 24"	46' 25"	45' 46"	46' 28"	48' 06"	49' 46"	49' 44"	50' 40"	
$\alpha\left(1+\frac{H}{F}\right)=1' \times 1.00034=1'00034.$ Declinometer No. II.											
Sums	258.6	258.7	256.7	251.7	247.3	250.7	258.9	264.0	262.8	268.5	
Means of 5 days ...	51.72	51.74	51.34	50.34	49.46	50.14	51.78	52.86	52.56	53.76	
Diurnal changes ...	−0'.16	−0'.14	−0'.54	−1'.54	−2'.42	−1'.74	−0'.10	+0'.92	+0'.68	+1'.82	
Diurnal oscillation...	2'.26	2'.28	1'.88	0'.88	0'.00	0'.68	2'.32	3'.34	3'.10	4'.24	
Diurnal declination .	48' 02" +1°	48' 04"	47' 40"	46' 40"	45' 47"	46' 28"	48' 06"	49' 07"	48' 53"	50' 00"	

TABLE A.

Month of May, 1848. Latitude $6^{\circ} 54' 20''$ N. Longitude $122^{\circ} 13' 45''$ E.

1.	2.	3.	4.	5.	6.	7.	8.	9.	Sums.	Means.	Declin.
Zero from 25th to 31st, 85.67. $\alpha=1^{\circ} 15' 24''$ East.											
509.9	511.2	512.3	516.3	520.3	520.9	521.4	520.1	519.5	9881.8	520.1	
84.98	85.20	85.38	86.05	86.72	86.82	86.90	86.68	86.58	1646.96	86.68	$1^{\circ} 16' 25''$
-1'.70	-1'.48	-1'.30	-0'.63	+0'.04	+0'.14	+0'.22	0'.00	-0'.10			
0'.16	0'.38	0'.56	1'.23	1'.90	2'.00	2'.08	1'.86	1'.76			
14' 43"	14' 56"	14' 07"	15' 47"	16' 27"	16' 33"	16' 38"	16' 25"	16' 19"			
Zero from 25th to 31st, 50.57. $\alpha=1^{\circ} 15' 24''$ East.											
297.9	300.9	301.6	306.6	310.0	310.0	309.9	308.7	308.9	5761.2	308.6	
49.65	50.15	50.27	51.10	51.67	51.67	51.65	51.45	51.48	977.40	51.44	$1^{\circ} 16' 16''$
-1'.79	-1'.29	-1'.17	-0'.34	+0'.23	+0'.23	+0'.21	+0'.01	+0'.04			
0'.15	0'.65	0'.77	1'.60	2'.17	2'.17	2'.15	1'.95	1'.98			
14' 29"	14' 59"	15' 06"	15' 56"	16' 30"	16' 30"	16' 29"	16' 17"	16' 19"			

Month of January, 1849. Latitude $5^{\circ} 25' 36''$ N. Longitude $100^{\circ} 24' 38''$ E.

Zero from the 22nd to the 26th, 78.14. $\alpha=1^{\circ} 48' 06''$.											
448.3	446.7	444.9	443.1	438.5	436.0	437.1	437.6	436.9	8320.3	437.8	
89.66	89.34	88.98	88.62	87.70	87.20	87.42	87.52	87.38	1664.06	87.58	$1^{\circ} 48' 32''$
+2'.08	+1'.76	+1'.40	+1'.04	+0'.12	-0'.38	-0'.16	-0'.06	-0'.20			
4'.86	4'.54	4'.18	3'.82	2'.90	2'.40	2'.62	2'.72	2'.58			
50' 37"	50' 18"	49' 56"	49' 35"	48' 40"	48' 10"	48' 24"	48' 29"	48' 20"			
Zero from the 22nd to the 26th, 51.78. $\alpha=1^{\circ} 48' 06''$.											
268.1	266.4	264.5	262.4	258.3	253.5	256.7	256.5	255.6	4919.9	259.0	
53.62	53.28	52.90	52.48	51.66	50.70	51.34	51.30	51.12	983.98	51.88	
+1'.74	+1'.40	+1'.02	+0'.60	-0'.22	-1'.18	-0'.54	-0'.58	-0'.76			
4'.16	3'.82	3'.44	3'.02	2'.20	1'.24	1'.88	1'.84	1'.66			
49' 56"	49' 36"	49' 13"	48' 48"	47' 59"	47' 01"	47' 40"	47' 37"	47' 26"			

TABLE A.

Observatory at Penang.—Hourly observations made during the

Astron. Mean Time of Station. }	15.	16.	17.	18.	19.	20.	21.	22.	23.	0.	
$\alpha\left(1+\frac{H}{F}\right)=1'004 \times 1'0004=1'004.$ Declinometer No. III.											
Sums	516·2	517·3	514·5	508·7	506·5	509·2	518·8	524·6	527·3	532·9	
Means of 5 days ...	103·24	103·46	102·90	101·74	101·30	101·84	103·76	104·92	105·46	106·58	
Diurnal changes ...	-1'·23	-1'·01	-1'·57	-2'·73	-3'·17	-2'·63	-0'·71	+0'·45	+0'·99	+2'·11	
Diurnal oscillation...	1'·94	2'·16	1'·60	0'·44	0'·00	0'·54	2'·46	3'·62	4'·16	5'·28	
Diurnal declination .	47' 35" +1°	47' 48"	47' 14"	46' 05"	45' 38"	46' 11"	48' 06"	49' 16"	49' 48"	50' 55"	

Observatory at Pulo Dinding.—Hourly observations made during the

$\alpha\left(1+\frac{H}{F}\right)=1' \times 1'0005=1'0005.$ Declinometer No. I.											
Sums	266·7	265·7	264·8	262·8	257·6	255·6	260·2	268·2	272·6	276·1	
Means of 3 days ...	88·90	88·57	88·27	87·60	85·87	85·20	86·73	89·40	90·87	92·03	
Diurnal changes.....	-0'·82	-1'·15	-1'·45	-2'·12	-3'·85	-4'·52	-2'·99	-0'·32	+1'·15	+2'·31	
Diurnal oscillation...	3'·70	3'·37	3'·07	2'·40	0'·67	0'·00	1'·53	4'·20	5'·67	6'·83	
Diurnal declination .	48' 04" +1°	47' 44"	47' 26"	46' 46"	45' 02"	44' 22"	45' 54"	48' 34"	50' 02"	51' 12"	
$\alpha\left(1+\frac{H}{F}\right)=1' \times 1'000445=1'000445.$ Declinometer No. II.											
Sums	140·4	139·0	138·2	135·8	130·6	128·2	133·3	141·6	145·7	147·5	
Means of 3 days ...	46·80	46·33	46·07	45·27	43·53	42·73	44·43	47·20	48·57	49·17	
Diurnal changes ...	-0'·48	-0'·95	-1'·21	-2'·01	-3'·75	-4'·55	-2'·85	-0'·08	+1'·29	+1'·89	
Diurnal oscillation...	4'·07	3'·60	3'·34	2'·54	0'·80	0'·00	1'·70	4'·47	5'·84	6'·44	
Diurnal declination .	48' 10" +1°	47' 42"	47' 26"	46' 38"	44' 54"	44' 06"	45' 48"	48' 34"	49' 56"	50' 32"	
$\alpha\left(1+\frac{H}{F}\right)=1'004 \times 1'0006=1'0046.$ Declinometer No. III.											
Sums	301·8	301·2	300·6	297·6	293·4	292·6	298·1	306·7	311·1	314·0	
Means of 3 days ...	100·60	100·40	100·20	99·20	97·80	97·53	99·37	102·23	103·70	104·67	
Diurnal changes ...	-1'·31	-1'·51	-1'·71	-2'·71	-4'·11	-4'·38	-2'·54	+0'·32	+1'·79	+2'·76	
Diurnal oscillation...	3'·07	2'·87	2'·67	1'·67	0'·27	0'·00	1'·84	4'·70	6'·17	7'·14	
Diurnal declination .	46' 56" +1°	46' 44"	46' 32"	45' 32"	44' 08"	43' 52"	45' 42"	48' 34"	50' 02"	51' 00"	

TABLE A.

Month of May, 1848. Latitude $6^{\circ} 54' 20''$ N. Longitude $122^{\circ} 13' 45''$ E.

1.	2.	3.	4.	5.	6.	7.	8.	9.	Sums.	Means.	Declin.
Zero from the 22nd to the 26th, 103.76. $\alpha=1^{\circ} 48' 06''$.											
534.6	531.7	530.6	529.1	525.8	523.7	524.6	525.1	523.5	9924.7	522.3	
106.92	106.34	106.12	105.82	105.16	104.74	104.92	105.02	104.70	1984.94	104.47	
+2.45	+1.87	+1.65	+1.35	+0.69	+0.27	+0.45	+0.55	+0.23			
5.62	5.04	4.82	4.52	3.86	3.44	3.62	3.72	3.40			
51' 16"	50' 41"	50' 28"	50' 10"	49' 30"	49' 05"	49' 16"	49' 22"	49' 02"			

Month of January, 1849. Latitude $4^{\circ} 12' 48''$ N. Longitude $100^{\circ} 32' 52''$ E.

Zero from the 11th to the 13th, 89.4. $\alpha=1^{\circ} 48' 34''$.											
277.3	278.0	277.8	275.5	273.0	271.0	271.5	270.4	269.4	5114.2	269.2	
92.43	92.67	92.60	91.83	91.00	90.33	90.50	90.13	89.80	1704.73	39.72	$1^{\circ} 48' 53''$
+2.71	+2.95	+2.88	+2.11	+1.28	+0.61	+0.78	+0.41	+0.08			
7.23	7.47	7.40	6.63	5.80	5.13	5.30	4.93	4.60			
51' 36"	51' 50"	51' 46"	51' 00"	50' 10"	49' 30"	49' 40"	49' 18"	48' 58"			

Zero from the 11th to the 13th, 47.20. $\alpha=1^{\circ} 48' 34''$.

148.7	150.4	150.5	148.6	146.0	143.4	143.8	142.1	141.3	2695.1	141.8	
49.57	50.13	50.17	49.53	48.67	48.70	47.93	47.37	47.10	898.37	47.28	
+2.29	+2.85	+2.89	+2.25	+1.39	+0.52	+0.65	+0.09	-0.18			
6.84	7.40	7.44	6.80	5.94	5.07	5.20	4.64	4.37			
50' 56"	51' 30"	51' 32"	50' 54"	50' 02"	49' 10"	49' 18"	48' 44"	48' 28"			

Zero from the 11th to the 13th, 102.23. $\alpha=1^{\circ} 48' 34''$.

315.8	316.5	315.8	312.7	309.4	306.2	306.3	305.0	304.0	5808.8	305.7	
105.27	105.50	105.27	104.23	103.13	102.07	102.10	101.67	101.33	1936.27	101.91	
+3.36	+3.59	+3.36	+2.32	+1.22	+0.16	+0.19	-0.24	-0.58			
7.74	7.97	7.74	6.70	5.60	4.54	4.57	4.14	3.80			
51' 36"	52' 02"	51' 36"	50' 34"	49' 28"	48' 24"	48' 26"	48' 00"	47' 40"			

TABLE A.

Observatory at Sarawak.—Hourly observations made during the

Astron. Mean Time of Station. }	12.	13.	14.	15.	16.	17.	18.	19.	20.	21.	22.	23.	0.	
$\alpha\left(1+\frac{H}{F}\right)=1' \times 1.000158=1'.000158.$ Declinometer No. I.														
Sums	2229.2	2234.8	2240.6	2245.4	2246.4	2251.4	2264.4	2283.1	2269.0	2243.8	2223.3	2209.7	2200.9	
Means of 26 days ...	85.74	85.95	86.18	86.36	86.40	86.59	87.09	87.81	87.27	86.30	85.51	84.99	84.65	
Diurnal changes ...	-0'.03	+0'.18	+0'.41	+0'.59	+0'.63	+0'.82	+1'.32	+2'.04	+1'.50	+0'.53	-0'.26	-0'.78	-1'.12	
Diurnal oscillation...	1'.17	1'.38	1'.61	1'.79	1'.83	2'.02	2'.52	3'.24	2'.70	1'.73	0'.96	0'.42	0'.08	
Diurnal declination	09' 06" +1°	09' 19"	09' 33"	09' 44"	09' 46"	09' 57"	10' 27"	11' 11"	10' 38"	09' 40"	08' 53"	08' 21"	08' 01"	
$\alpha\left(1+\frac{H}{F}\right)=1' \times 1.000139=1'.000139.$ Declinometer No. II.														
Sums	1364.1	1369.1	1374.1	1377.0	1377.0	1380.7	1393.0	1411.1	1395.8	1373.4	1358.0	1351.8	1295.6	
Means of 26 days ...	52.47	52.66	52.85	52.96	52.96	53.10	53.58	54.27	53.68	52.82	52.23	51.99	51.82	
Diurnal changes ...	-0'.28	-0'.09	+0'.10	+0'.21	+0'.21	+0'.35	+0'.83	+1'.52	+0'.93	+0'.07	-0'.52	-0'.76	-0'.93	
Diurnal oscillation .	0'.65	0'.84	1'.03	1'.14	1'.14	1'.28	1'.76	2'.45	1'.86	1'.00	0'.41	0'.17	0'.00	
Diurnal declination	09' 19" +1°	09' 30"	09' 42"	09' 48"	09' 48"	09' 57'	10' 26"	11' 07"	10' 32"	09' 40"	09' 05"	08' 50"	08' 40"	

Hourly observations made during

$\alpha\left(1+\frac{H}{F}\right)=1' \times 1.000158=1'.000158.$ Declinometer No. I.														
Sums	2342.0	2345.6	2353.9	2358.7	2364.4	2368.3	2381.6	2399.3	2384.0	2358.9	2340.6	2328.1	2322.4	
Means of 27 days ...	86.74	86.87	87.18	87.36	87.57	87.71	88.21	88.86	88.30	87.37	86.69	86.23	86.02	
Diurnal changes.....	-0'.20	-0'.07	+0'.24	+0'.42	+0'.63	+0'.77	+1'.27	+1'.92	+1'.36	+0'.43	-0'.25	-0'.71	-0'.92	
Diurnal oscillation...	0'.80	0'.93	1'.24	1'.42	1'.63	1'.77	2'.27	2'.92	2'.36	1'.43	0'.75	0'.29	0'.08	
Diurnal declination	09' 02" +1°	09' 10"	09' 29"	09' 39"	09' 52"	10' 00"	10' 30"	11' 09"	10' 36"	09' 40"	09' 59"	09' 32"	08' 19"	
$\alpha\left(1+\frac{H}{F}\right)=1' \times 1.000139=1'.000139.$ Declinometer No. II.														
Sums	1425.1	1426.0	1450.9	1434.7	1436.2	1435.6	1442.6	1455.7	1387.4	1416.8	1400.0	1399.1	1395.4	
Means of 25 days ...	57.00	57.04	58.04	57.39	57.45	57.42	57.70	58.23	57.81	56.67	56.00	55.96	55.82	
Diurnal changes.....	-0'.07	-0'.03	+0'.97	+0'.32	+0'.38	+0'.35	+0'.63	+1'.16	+0'.74	-0'.40	-1'.07	-1'.11	-1'.25	
Diurnal oscillation...	1'.19	1'.23	2'.23	1'.58	1'.64	1'.61	1'.89	2'.42	2'.00	0'.86	0'.19	0'.15	0'.01	
Diurnal declination .	9' 00" +1°	10' 02"	11' 02"	10' 23"	10' 27"	10' 25"	10' 42"	11' 14"	10' 48"	9' 40"	9' 00"	8' 57"	8' 49"	

TABLE A.

Month of June, 1846. Latitude $1^{\circ} 33' 54''$ N. Longitude $110^{\circ} 29' 00''$ E.

1.	2.	3.	4.	5.	6.	7.	8.	9.	10.	11.	Sums.	Means.	Declin.
Zero from the 1st to the 30th, 86.30. $\alpha=1^{\circ} 09' 40''$ East.													
2198.7	2205.9	2212.7	2221.4	2222.4	2217.2	2220.8	2217.6	2219.8	2221.4	2222.8	53522.7	2230.0	$1^{\circ} 09' 08''$
84.57	84.84	85.10	85.44	85.48	85.28	85.42	85.29	85.38	85.44	85.49	2058.57	85.77	
-1'.20	-0'.93	-0'.67	-0'.33	-0'.29	-0'.49	-0'.35	-0'.48	-0'.39	-0'.33	-0'.28			
0'.00	0'.27	0'.53	0'.87	0'.91	0'.71	0'.85	0'.72	0'.81	0'.87	0'.92			
07' 56"	09' 12"	08' 28"	08' 48"	08' 51"	08' 39"	08' 47"	08' 39"	08' 45"	08' 48"	08' 51"			
Zero from the 1st to the 30th, 52.82. $\alpha=1^{\circ} 09' 40''$ East.													
1299.4	1363.7	1371.6	1326.5	1382.3	1373.0	1370.2	1361.7	1363.6	1362.2	1362.1	32757.0	1371.7	$1^{\circ} 09' 40''$
51.98	52.45	52.75	53.06	53.17	52.81	52.70	52.37	52.45	52.39	52.39	1265.91	52.75	
-0'.77	-0'.30	0'.00	+0'.31	+0'.42	+0'.06	-0'.05	-0'.38	-0'.30	-0'.36	-0'.36			
0'.16	0'.63	0'.93	1'.24	1'.35	0'.99	0'.88	0'.55	0'.63	0'.57	0'.57			
08' 47"	09' 18"	08' 36"	09' 54"	10' 01"	09' 39"	09' 33"	09' 13"	09' 18"	09' 14"	09' 14"			

the Month of July 1846.

Zero from the 1st to the 31st, 87.37. $\alpha=1^{\circ} 09' 40''$ East.													
2320.5	2323.4	2332.1	2341.7	2349.6	2341.5	2337.6	2334.9	2334.3	2335.3	2336.4	56335.1	2347.1	$1^{\circ} 09' 14''$
85.94	86.05	86.37	86.73	87.02	86.72	86.58	86.48	86.46	86.49	86.53	2086.48	86.94	
-1'.00	-0'.89	-0'.57	-0'.21	+0'.08	-0'.22	-0'.36	-0'.46	-0'.48	-0'.45	-0'.41			
0'.00	0'.11	0'.43	0'.79	1'.08	0'.78	0'.64	0'.54	0'.52	0'.55	0'.59			
08' 14"	08' 21"	08' 40"	09' 02"	09' 19"	09' 01"	08' 53"	08' 47"	08' 45"	08' 47"	08' 50"			
Zero from the 1st to the 31st, 56.67. $\alpha=1^{\circ} 09' 40''$ East.													
1339.4	1404.3	1370.2	1437.0	1390.0	1437.6	1429.9	1428.0	1428.9	1425.9	1424.7	34011.4	1426.4	$1^{\circ} 9' 16''$
55.81	56.17	57.09	57.48	57.92	57.50	57.20	57.12	57.16	57.09	56.99	1369.61	57.07	
-1'.26	-0'.90	+0'.02	+0'.41	+0'.85	+0'.43	+0'.13	+0'.05	+0'.09	-0'.03	-0'.08			
0'.00	0'.36	1'.28	1'.67	2'.11	1'.69	1'.39	1'.31	1'.35	1'.23	1'.18			
8' 48"	9' 10"	10' 05"	10' 29"	10' 55"	10' 30"	10' 12"	10' 07"	10' 09"	10' 02"	9' 59"			

TABLE A.

Observatory at Sarawak.—Hourly observations made during the

Astron. Mean Time of Station. }	12.	13.	14.	15.	16.	17.	18.	19.	20.	21.	22.	23.	0.	
$\alpha\left(1+\frac{H}{F}\right)=1' \times 1.000158=1'.000158.$ Declinometer No. I.														
Sums	1652.4	1653.2	1655.2	1659.5	1662.3	1665.8	1679.1	1699.1	1688.8	1661.8	1645.1	1632.4	1630.0	
Means of 19 days ...	86.97	87.01	87.12	87.34	87.49	87.67	88.37	89.43	88.88	87.46	86.58	85.92	85.79	
Diurnal changes ...	-0'.24	-0'.20	-0'.09	+0'.13	+0'.28	+0'.46	+1'.16	+2'.22	+1'.67	+0'.25	-0'.23	-1'.29	-1'.42	
Diurnal oscillation...	1'.18	1'.22	1'.33	1'.55	1'.70	1'.88	2'.58	3'.64	3'.09	1'.67	1'.19	0'.13	0'.00	
Diurnal declination .	09' 11" +1°	09' 13"	09' 20"	09' 33"	09' 42"	09' 52"	10' 34"	11' 38"	11' 05"	09' 40"	09' 11"	08' 08"	08' 00"	
$\alpha\left(1+\frac{H}{F}\right)=1' \times 1.000139=1'.000139.$ Declinometer No. II.														
Sums	1146.5	1146.7	1149.7	1151.4	1152.8	1158.0	1171.1	1187.6	1179.2	1155.3	1143.3	1135.0	1133.5	
Means of 19 days ...	60.34	60.35	60.51	60.60	60.67	60.95	61.64	62.51	62.06	60.81	60.17	59.74	59.66	
Diurnal changes ...	-0'.54	-0'.53	-0'.37	-0'.28	-0'.21	+0'.07	+0'.76	+1'.63	+1'.18	-0'.07	-0'.71	-1'.14	-1'.22	
Diurnal oscillation...	0'.68	0'.69	0'.85	0'.94	1'.01	1'.29	1'.98	2'.85	2'.40	1'.15	0'.51	0'.08	0'.00	
Diurnal declination .	09' 12" +1°	09' 12"	09' 22"	09' 27"	09' 32"	09' 48"	10' 30"	11' 22"	10' 55"	09' 40"	10' 02"	08' 36"	08' 31"	

Observatory at Keemah.—Hourly observations made during the

$\alpha\left(1+\frac{H}{F}\right)=1' \times 1.000278=1'.000278.$ Declinometer No. I.														
Sums .....	.....	.....	.....	839.6	838.1	840.1	840.3	852.6	761.2	831.6	820.3	730.1	645.6	
Means of 10 days ...	.....	.....	.....	83.96	83.81	84.01	84.03	85.26	84.58	83.16	82.03	81.12	80.70	
Diurnal changes ...	.....	.....	.....	+0'.98	+0'.83	+1'.03	+1'.05	+2'.28	+1'.60	+0'.18	-0'.95	-1'.86	-2'.28	
Diurnal oscillation...	.....	.....	.....	3'.26	3'.11	3'.31	3'.33	4'.56	3'.88	2'.46	1'.33	0'.42	0'.00	
Diurnal declination .	.....	.....	.....	40' 35" +1	40' 26"	40' 38"	40' 39"	41' 53"	41' 12"	39' 47"	38' 39"	37' 45"	37' 19"	
$\alpha\left(1+\frac{H}{F}\right)=1' \times 1.000222=1'.000222.$ Declinometer No. II.														
Sums .....	.....	.....	.....	520.3	518.0	520.4	522.4	528.2	471.7	512.2	504.5	451.2	450.2	
Means of 10 days ...	.....	.....	.....	52.03	51.80	52.04	52.24	52.82	52.41	51.22	50.45	50.13	50.02	
Diurnal changes ...	.....	.....	.....	+0'.56	+0'.33	+0'.57	+0'.77	+1'.35	+0'.94	-0'.25	-1'.02	-1'.34	-1'.45	
Diurnal oscillation...	.....	.....	.....	2'.01	1'.78	2'.02	2'.22	2'.80	2'.39	1'.20	0'.43	0'.11	0'.00	
Diurnal declination .	.....	.....	.....	40' 36" +1°	40' 22"	40' 36"	40' 48"	41' 23"	40' 58"	39' 47"	39' 01"	38' 42"	38' 35"	

TABLE A.

Month of August, 1846. Latitude $1^{\circ} 33' 54''$ N. Longitude $110^{\circ} 29' 00''$ E.

1.	2.	3.	4.	5.	6.	7.	8.	9.	10.	11.	Sums.	Means.	Declin.
Zero from the 1st to the 22nd, 87.46. $\alpha=1^{\circ} 09' 40''$ East.													
1634.3	1642.4	1649.4	1661.7	1665.3	1657.7	1569.7	1567.0	1569.7	1567.2	1564.8	39333.9	1657.0	
86.02	86.44	86.81	87.46	87.65	87.25	87.21	87.06	87.21	87.07	86.93	2087.87	87.21	$1^{\circ} 09' 25''$
-1.19	-0.77	-0.40	+0.25	+0.44	+0.04	0.00	-0.15	0.00	-0.14	0.28			
0.23	0.65	1.02	1.67	1.86	1.46	1.42	1.27	1.42	1.28	1.14			
08' 14"	08' 39"	09' 01"	09' 40"	09' 51"	09' 27"	09' 25"	09' 16"	09' 25"	09' 17"	09' 08"			

Zero from the 1st to the 22nd, 60.81. $\alpha=1^{\circ} 09' 40''$ East.

1141.5	1153.1	1162.1	1176.5	1179.3	1169.0	1098.2	1092.9	1094.7	1090.6	1087.3	27455.3	1157.0	
60.08	60.69	61.16	61.92	62.07	61.53	61.01	60.72	60.82	60.59	60.41	1462.59	60.88	$1^{\circ} 09' 44''$
-0.80	-0.19	+0.28	+1.14	+1.19	+0.65	+0.13	-0.16	-0.06	-0.29	-0.47			
0.42	1.03	1.50	2.36	2.41	1.87	1.35	1.06	1.16	0.93	0.75			
08' 56"	09' 33"	10' 01"	10' 53"	10' 56"	10' 23"	09' 52"	09' 35"	09' 41"	09' 27"	09' 16"			

Month of June, 1848. Latitude $1^{\circ} 21' 55''$ N. Longitude $125^{\circ} 07' 59''$ E.Zero from the 21st of June to July 1st, 83.16. $\alpha=1^{\circ} 39' 47''$ East.

731.1	738.1	824.4	828.2	829.3	829.2	830.6	829.4	828.6	.....	.....	15268.4	830.0	
81.23	82.01	82.44	82.82	82.93	82.92	83.06	82.94	82.86	.....	.....	1575.87	82.98	$1^{\circ} 39' 36''$
-1.75	-0.97	-0.54	-0.16	-0.05	-0.06	+0.08	-0.04	-0.12	.....	.....	
0.53	1.31	1.74	2.12	2.23	2.22	2.36	2.24	2.16	.....	.....	
37' 51"	38' 38"	39' 04"	39' 27"	39' 33"	39' 33"	39' 41"	39' 34"	39' 29"	.....	.....	

Zero from the 21st of June to July 1st, 51.22. $\alpha=1^{\circ} 39' 47''$ East.

507.2	512.1	514.8	517.1	517.7	516.1	515.6	514.6	511.5	.....	.....	9625.8	514.6	
50.72	51.21	51.48	51.71	51.77	51.61	51.56	51.46	51.15	.....	.....	977.83	51.47	$1^{\circ} 40' 02''$
-0.75	-0.26	+0.01	+0.24	+0.30	+0.14	+0.09	-0.01	-0.32	.....	.....	
0.70	1.19	1.46	1.69	1.75	1.59	1.54	1.44	1.13	.....	.....	
38' 17"	39' 46"	40' 03"	40' 16"	40' 20"	40' 10"	40' 07"	40' 01"	39' 43"	.....	.....	

TABLE A.

Observatory at Keemah.—Hourly observations made during the Month of

Astron. Mean Time of Station. }	15.	16.	17.	18.	19.	20.	21.	22.	23.	0.	
$\alpha(1+) = 1'004 \times 1'000306 = 1'0043$. Declinometer No. III.											
Sums	1028·1	1026·4	1028·0	1028·6	1037·0	927·0	1020·0	1013·1	910·2	910·7	
Means of 10 days ...	102·81	102·64	102·80	102·86	103·70	103·00	102·00	101·31	101·13	101·19	
Diurnal changes ...	+0'16	-0'01	+0'15	+0'21	+1'05	+0'35	-0'65	-1'34	-1'52	-1'46	
Diurnal oscillation...	1'68	1'51	1'67	1'73	2'57	1'87	0'87	0'18	0'00	0'06	
Diurnal declination .	40' 36" +1°	40' 25"	40' 35"	40' 39"	41' 29"	40' 47"	39' 47"	39' 06"	38' 55"	38' 58"	

Observatory at Pulo Peesang.—Hourly observations made during the

$\alpha(1+\frac{H}{F}) = 1' \times 1'000158 = 1'000158$. Declinometer No. I.											
Sums .....	.....	78·9	151·9	185·8	179·8	180·8	185·4	187·4	193·6	200·4	
Means of 5 days ...	.....	39·45	37·47	37·16	35·96	36·16	37·08	37·48	38·72	40·08	
Diurnal changes ...	.....	+0'85	-1'13	-1'44	-2'64	-2'44	-1'52	-1'12	+0'12	+1'48	
Diurnal oscillation...	.....	3'29	1'51	1'00	0'20	0'00	0'92	1'32	2'56	3'92	
Diurnal declination .	.....	33' 29" +1°	31' 46"	31' 12"	30' 24"	30' 12"	31' 07"	31' 31"	32' 45"	34' 07"	

 $\alpha(1+\frac{H}{F}) = 1' \times 1'000139 = 1'000139$. Declinometer No. II.

Sums .....	.....	87·0	177·0	217·8	212·5	213·4	217·6	218·8	221·3	224·7	
Means of 5 days ...	.....	43·50	44·25	43·56	42·50	42·68	43·52	43·76	44·26	44·94	
Diurnal changes ...	.....	-0'72	+0'03	-0'66	-1'72	-1'54	-0'70	-0'46	+0'04	+0'74	
Diurnal oscillation...	.....	1'00	1'75	1'06	0'00	0'18	1'02	1'26	1'76	2'46	
Diurnal declination .	.....	31' 08" +1°	31' 51"	31' 09"	30' 06"	30' 17"	31' 07"	31' 21"	31' 51"	32' 33"	

Observatory at Singapore.—Hourly observations made during the

$\alpha(1+\frac{H}{F}) = 1' \times 1'000315 = 1'000305$. Declinometer No. I.											
Sums	223·1	216·8	210·2	197·0	185·8	187·3	200·6	220·3	241·2	253·6	
Means of 16 days ...	13·94	13·55	13·14	12·31	11·61	11·71	12·54	13·77	15·08	15·85	
Diurnal changes ...	-0'57	-0'92	-1'33	-2'16	-2'86	-2'76	-1'93	-0'70	+0'61	+1'38	
Diurnal oscillation...	2'33	1'94	1'53	0'70	0'00	0'10	0'93	2'16	3'47	4'24	
Diurnal declination .	36' 53" +1°	36' 30"	36' 05"	35' 15"	34' 33"	34' 39"	35' 29"	36' 43"	38' 01"	38' 48"	

TABLE A.

June and July, 1848. Latitude $1^{\circ} 21' 55''$. Longitude $125^{\circ} 07' 59''$ E.

1.	2.	3.	4.	5.	6.	7.	8.	9.	Sums.	Means.	Declin.
Zero from the 21st of June to July 1st, 102.00. $\alpha=1^{\circ} 89' 47''$ East.											
1019.5	1027.1	1031.4	1034.3	1034.4	1033.0	1031.7	1028.9	1025.8	19195.2	1026.4	$1^{\circ} 40' 26''$
101.95	102.71	103.14	103.43	103.44	103.30	103.17	102.89	102.58	1950.05	102.65	
-0.70	+0.06	+0.49	+0.78	+0.79	+0.65	+0.52	+0.24	-0.07			
0.82	1.58	2.01	2.30	2.31	2.17	2.04	1.76	1.45			
39' 44"	40' 30"	40' 55"	41' 13"	41' 13"	41' 05"	40' 57"	40' 40"	40' 22"			

Month of January, 1846. Latitude $1^{\circ} 27' 53''$ N. Longitude $103^{\circ} 19' 15''$ E.

Zero from the 18th to the 22nd, 37.08. $\alpha=1^{\circ} 31' 07''$ East.											
203.5	202.8	199.2	197.9	157.6	197.6	196.8	155.7	114.9	3165.0	193.1	$1^{\circ} 32' 30''$
40.70	40.56	39.84	39.58	39.40	39.52	39.36	38.93	38.30	695.01	38.60	
+2.10	+1.96	+1.24	+0.98	+0.80	+0.92	+0.76	+0.33	-0.30			
4.54	4.40	3.68	3.42	3.24	3.36	3.20	2.77	2.14			
34' 44"	34' 36"	33' 53"	33' 37"	33' 26"	33' 33"	33' 24"	32' 58"	32' 20"			

Zero from the 18th to the 22nd. $\alpha=1^{\circ} 31' 07''$ East.

228.8	182.3	224.4	223.6	178.6	222.3	222.3	177.1	132.7	3582.2	221.0	
45.76	45.58	44.88	44.72	44.65	44.46	44.46	44.28	44.23	795.99	44.22	
+1.54	+1.36	+0.66	+0.50	+0.43	+0.24	+0.24	+0.06	+0.01			
3.26	3.08	2.38	2.22	2.15	1.96	1.96	1.78	1.73			
33' 21"	33' 11"	32' 29"	32' 19"	32' 15"	32' 03"	32' 03"	31' 53"	31' 50"			

Month of November, 1848. Latitude $1^{\circ} 18' 32''$ N. Longitude $103^{\circ} 56' 30''$ E.Zero from the 13th to the 30th, 12.54. $\alpha=1^{\circ} 35' 29''$ East.

269.3	266.0	266.8	255.4	245.9	245.6	243.4	239.0	232.8	4400.1	231.7	$1^{\circ} 37' 25''$
16.83	16.63	16.68	15.96	15.37	15.35	15.21	14.94	14.55	275.02	14.47	
+2.36	+2.16	+2.21	+1.49	+0.90	+0.88	+0.74	+0.47	+0.08			
5.22	5.02	5.07	4.35	3.76	3.74	3.60	3.33	2.94			
39' 46"	39' 34"	39' 37"	38' 54"	38' 19"	38' 18"	38' 09"	37' 53"	37' 30"			

TABLE A.

Observatory at Singapore.—Hourly observations made during the Month

Astron. Mean Time of Station. }	15.	16.	17.	18.	19.	20.	21.	22.	23.	0.	
$\alpha\left(1+\frac{H}{F}\right)=1' \times 1.000371=1'.000371$. Declinometer No. II.											
Sums	796.8	791.7	784.1	771.9	758.6	755.0	769.8	791.1	813.2	827.3	
Means of 16 days ...	49.80	49.48	49.01	48.24	47.41	47.19	48.11	49.44	50.83	51.71	
Diurnal changes ...	-0'.55	-0'.87	-1'.34	-2'.11	-2'.94	-3'.16	-2'.24	-0'.91	+0'.48	+1'.36	
Diurnal oscillation...	2'.61	2'.29	1'.82	1'.05	0'.22	0'.00	0'.92	2'.25	3'.64	4'.52	
Diurnal declination .	37' 10" +1°	36' 51"	36' 23"	35' 37"	34' 49"	34' 34"	35' 29"	36' 49"	38' 12"	39' 05"	
$\alpha\left(1+\frac{H}{F}\right)=1'.0047 \times 1.00037=1'.004$. Declinometer No. III.											
Sums	1563.3	1557.0	1549.9	1536.4	1527.6	1526.2	1541.3	1560.8	1583.3	1594.8	
Means of 16 days ...	97.71	97.31	96.87	96.03	95.48	95.39	96.33	97.55	98.96	99.68	
Diurnal changes ...	-0'.54	-0'.94	-1'.38	-2'.22	-2'.77	-2'.86	-1'.92	-0'.70	+0'.71	+1'.43	
Diurnal oscillation...	2'.32	1'.92	1'.48	0'.64	0'.09	0'.00	0'.94	2'.16	3'.57	4'.29	
Diurnal declination .	36' 52" +1°	36' 28"	36' 01"	35' 11"	34' 38"	34' 33"	35' 29"	36' 39"	38' 07"	38' 50"	
$\alpha\left(1+\frac{H}{F}\right)=1'.0005 \times 1.0003=1'.0008$. Declinometer No. IV.											
Sums	1558.4	1472.3	1463.0	1449.7	1429.3	1427.0	1439.7	1456.4	1473.8	1486.2	
Means of 16 days ...	97.40	98.15	97.53	96.65	95.29	95.13	95.98	97.09	98.25	99.08	
Diurnal changes ...	-0'.71	+0'.04	-0'.58	-1'.46	-2'.82	-2'.98	-2'.13	-1'.02	+0'.14	+0'.97	
Diurnal oscillation .	2'.27	3'.02	2'.40	1'.52	0'.16	0'.00	0'.85	1'.96	3'.12	3'.95	
Diurnal declination .	36' 54" +1°	37' 39"	37' 02"	36' 09"	34' 48"	34' 38"	35' 29"	36' 36"	37' 45"	38' 35"	
$\alpha\left(1+\frac{H}{F}\right)=40''.7 \times 1.000451$. Declinometer No. V.											
Sums	660.0	655.0	647.4	626.0	617.2	608.3	635.2	661.1	685.8	708.8	
Means of 16 days ...	41.25	40.94	40.46	39.13	38.58	38.02	39.70	41.32	42.86	44.30	
Diurnal changes ...	-0'.74	-0'.95	-1'.28	-2'.18	-2'.56	-2'.94	-1'.80	-0'.70	+0'.35	+1'.33	
Diurnal oscillation .	2'.20	1'.99	1'.66	0'.76	0'.38	0'.00	1'.14	2'.24	3'.29	4'.27	
Diurnal declination .	36' 33" +1°	36' 20"	36' 00"	35' 06"	34' 43"	34' 21"	35' 29"	36' 35"	37' 38"	38' 37"	

TABLE A

of November, 1848. Latitude $1^{\circ} 18' 32''$ N. Longitude $103^{\circ} 56' 30''$ E. (*Continued.*)

1.	2.	3.	4.	5.	6.	7.	8.	9.	Sums.	Means.	Declin.
Zero from the 13th to the 30th, 48.11. $\alpha=1^{\circ} 35' 29''$ East.											
845.9	841.4	843.1	831.9	822.0	821.4	818.1	813.9	808.2	15305.4	805.7	$1^{\circ} 37' 43''$
52.87	52.59	52.69	51.99	51.38	51.34	51.13	50.87	50.51	956.59	50.35	
+2.52	+2.24	+2.34	+1.64	+1.03	+0.99	+0.78	+0.52	+0.16			
5.68	5.40	5.50	4.80	4.19	4.15	3.94	3.68	3.32			
40' 15"	39' 58"	40' 04"	39' 22'	38' 45"	38' 43"	38' 30'	38' 15"	37' 53"			
Zero from the 13th to the 30th, 96.33. $\alpha=1^{\circ} 35' 29''$ East.											
1610.8	1606.9	1607.6	1596.7	1587.1	1585.2	1582.9	1577.2	1571.9	29866.9	1572.0	$1^{\circ} 37' 23''$
100.68	100.43	100.48	99.79	99.19	99.08	98.93	98.58	98.24	1866.71	98.25	
+2.43	+2.18	+2.23	+1.54	+0.94	+0.83	+0.68	+0.33	-0.01			
5.29	5.04	5.09	4.40	3.80	3.69	3.54	3.19	2.85			
39' 50"	39' 35"	39' 38"	38' 57"	38' 21"	38' 14"	38' 05"	37' 44"	37' 24"			
Zero from the 13th to the 30th, 95.98. $\alpha=1^{\circ} 35' 29''$ East.											
1502.6	1600.0	1603.2	1592.6	1585.4	1585.4	1576.4	1570.6	1563.3	28844.3	1569.7	$1^{\circ} 37' 37''$
100.17	100.00	100.20	99.54	99.09	99.09	98.53	98.21	97.71	1863.61	98.11	
+2.06	+1.89	+2.09	+1.43	+0.98	+0.98	+0.42	+0.10	-0.40			
5.04	4.87	5.07	4.41	3.96	3.96	3.40	3.00	2.58			
39' 40"	39' 30"	39' 42"	39' 03"	38' 36"	38' 36"	38' 02"	37' 38"	37' 13"			
Zero from the 13th to the 30th, 39.70. $\alpha=1^{\circ} 35' 29''$ East.											
733.3	725.6	724.9	716.2	699.6	699.7	695.8	688.5	682.2	12870.6	677.3	$1^{\circ} 37' 17''$
45.83	45.35	45.31	44.76	43.73	43.73	43.49	43.03	42.64	804.43	42.34	
+2.37	+2.05	+2.02	+1.65	+0.94	+0.95	+0.78	+0.47	+0.20			
5.31	4.99	4.96	4.59	3.88	3.89	3.72	3.41	3.14			
39' 39"	39' 20"	39' 18"	38' 56"	38' 13"	38' 14"	38' 04"	37' 45"	37' 29"			

TABLE A.

Observatory at Singapore.—Hourly observations made during the

Astron. Mean Time of Station. }	15.	16.	17.	18.	19.	20.	21.	22.	23.	0.
$\alpha\left(1+\frac{H}{F}\right)=1' \times 1.000305=1'.000305.$ Declinometer No. I.										
Sums	203.3	199.5	195.0	181.9	170.0	172.9	187.9	201.7	213.6	228.6
Means of 14 days ...	14.52	14.25	13.93	12.99	12.14	12.35	13.42	14.41	15.26	16.33
Diurnal changes ...	-0.30	-0.57	-0.89	-1.83	-2.68	-2.47	-1.40	-0.41	+0.44	+1.51
Diurnal oscillation...	2.38	2.11	1.79	0.85	0.00	0.21	1.28	2.27	3.12	4.19
Diurnal declination .	36' 35" +1°	36' 20"	36' 00"	35' 03"	34' 12"	34' 25"	35' 29"	36' 28"	37' 19"	38' 24"
$\alpha\left(1+\frac{H}{F}\right)=1' \times 1.000371=1'.000371.$ Declinometer No. II.										
Sums	706.0	703.0	699.4	686.0	667.9	668.5	685.9	702.9	717.7	731.3
Means of 14 days ...	50.43	50.21	49.96	49.00	47.71	47.75	48.99	50.21	51.26	52.24
Diurnal changes ...	-0.31	-0.53	-0.78	-1.74	-3.03	-2.99	-1.75	-0.53	+0.52	+1.50
Diurnal oscillation...	2.72	2.50	2.25	1.29	0.00	0.04	1.28	2.50	3.55	4.53
Diurnal declination .	36' 55" +1°	36' 42"	36' 27"	35' 30"	34' 12"	34' 15"	35' 29"	36' 42"	37' 45"	38' 44"
$\alpha\left(1+\frac{H}{F}\right)=1'.0047 \times 1.00037=1'.004.$ Declinometer No. III.										
Sums	1375.0	1371.5	1366.4	1353.7	1340.6	1344.2	1358.9	1373.7	1385.9	1401.0
Means of 14 days ...	98.21	97.96	97.60	96.69	95.76	96.01	97.06	98.12	98.99	100.07
Diurnal changes.....	-0.32	-0.57	-0.93	-1.84	-2.77	-2.52	-1.47	-0.41	+0.46	+1.54
Diurnal oscillation...	2.45	2.20	1.84	0.93	0.00	0.25	1.30	2.36	3.23	4.31
Diurnal declination .	36' 38" +1°	36' 23"	36' 01"	35' 09"	34' 11"	34' 26"	35' 29"	36' 33"	37' 25"	38' 30"
$\alpha\left(1+\frac{H}{F}\right)=1' 0005 \times 1.0003=1'.0008.$ Declinometer No. IV.										
Sums	1345.2	1341.9	1337.5	1325.9	1308.3	1306.9	1320.3	1335.2	1347.9	1363.4
Means of 14 days ...	96.09	95.85	95.54	94.71	93.45	93.35	94.31	95.37	96.28	97.39
Diurnal changes ...	-0.06	-0.30	-0.61	-1.44	-2.70	-2.80	-1.84	-0.78	+0.13	+1.24
Diurnal oscillation...	2.74	2.50	2.19	1.36	0.10	0.00	0.96	2.02	2.93	4.04
Diurnal declination .	37' 16" +1°	37' 01"	36' 43"	35' 53"	34' 37"	34' 31"	35' 29"	36' 33"	37' 27"	38' 34"

TABLE A.

Month of December, 1848. Latitude $1^{\circ} 18' 32''$ N. Longitude $103^{\circ} 56' 30''$ E.

1.	2.	3.	4.	5.	6.	7.	8.	9.	Sums.	Means.	Declin.
Zero from the 1st to the 16th, 13.42. $\alpha=1^{\circ} 35' 29''$ East.											
240.1	238.6	231.8	226.3	216.6	209.8	212.4	208.4	202.9	3941.3	207.6	
17.15	17.04	16.56	16.16	15.47	14.99	15.17	14.89	14.49	281.52	14.82	$1^{\circ} 36' 53''$
+2.33	+2.22	+1.74	+1.34	+0.65	+0.17	+0.35	+0.07	-0.33			
5.01	4.90	4.42	4.02	3.33	2.85	3.03	2.75	3.01			
39' 13"	39' 06"	38' 37"	38' 13"	37' 32"	37' 03"	37' 14"	36' 57"	37' 13"			
Zero from the 1st to the 16th, 48.99. $\alpha=1^{\circ} 35' 29''$ East.											
743.8	744.9	736.5	731.1	722.0	714.3	715.3	712.5	707.8	13496.8	710.3	
53.13	53.21	52.61	52.22	51.57	51.02	51.09	50.89	50.56	964.06	50.74	$1^{\circ} 37' 14''$
+2.39	+2.47	+1.87	+1.48	+0.83	+0.28	+0.35	+0.15	-0.18			
5.42	5.50	4.90	4.51	3.86	3.31	3.38	3.18	2.85			
39' 37"	39' 42"	39' 06"	38' 43"	38' 04"	37' 31"	37' 35"	37' 23"	37' 03"			
Zero from the 1st to the 16th, 97.06. $\alpha=1^{\circ} 35' 29''$ East.											
1412.1	1411.2	1404.1	1398.6	1389.2	1382.2	1384.8	1380.3	1374.8	26208.2	1379.2	
100.86	100.80	100.29	99.90	99.23	98.73	98.91	98.59	98.20	1871.98	98.53	$1^{\circ} 36' 57''$
+2.33	+2.27	+1.76	+1.37	+0.70	+0.20	+0.38	+0.06	-0.33			
5.10	5.04	4.53	4.14	3.47	2.97	3.15	2.83	2.44			
39' 17"	39' 13"	38' 43"	38' 19"	37' 39"	37' 09"	37' 20"	37' 01"	36' 37"			
Zero from the 1st to the 16th, 94.31. $\alpha=1^{\circ} 35' 29''$ East.											
1375.6	1375.8	1368.1	1364.1	1357.2	1351.6	1353.9	1351.6	1345.2	25575.6	1345.9	
98.26	98.27	97.72	97.44	96.94	96.54	96.71	96.54	96.09	1826.85	96.15	$1^{\circ} 37' 19''$
+2.11	+2.12	+1.57	+1.29	+0.79	+0.39	+0.56	+0.39	-0.06			
4.90	4.92	4.37	4.09	3.59	3.19	3.36	3.19	3.74			
39' 25"	39' 27"	38' 54"	38' 37"	38' 07"	37' 43"	37' 53"	37' 43"	37' 16"			

TABLE A.

Observatory at Singapore.—Hourly observations made during the Month

Astron. Mean Time of Station. }	15.	16.	17.	18.	19.	20.	21.	22.	23.	0.	
$\alpha\left(1+\frac{H}{F}\right)=40''\cdot7 \times 1\cdot000451$. Declinometer No. V.											
Sums	592·5	588·0	583·0	562·4	546·0	554·7	570·8	589·5	607·0	626·7	
Means of 14 days ...	42 32	42·00	41·64	40·17	39·00	39·62	40·77	42·11	43·36	44·76	
Diurnal changes ...	-0·37	-0·58	-0·83	-1·83	-2·63	-2·20	-1·42	-0·51	+0·34	+1·29	
Diurnal oscillation...	2·26	2·05	1·80	0·80	0·00	0·43	1·21	2·12	2·97	3·92	
Diurnal declination .	36' 32" +1°	36' 19"	36' 04"	35' 04"	34' 16"	34' 42"	35' 29"	36' 24"	37' 15"	38' 12"	

Observatory at Pulo Booaya.—Hourly observations made during the

$\alpha\left(1+\frac{H}{F}\right)=1' \times 1\cdot000158=1' \cdot 000158$. Declinometer No. I.											
Sums .....	.....	.....	126·1	161·9	160·9	162·8	165·6	169·5	173·6	175·8	
Means of 4 days ...	.....	.....	42·03	40·48	40·23	40·70	41·40	42·38	43·40	43·95	
Diurnal changes ...	.....	.....	-0·29	-1·84	-2·09	-1·62	-0·92	+0·06	+1·08	+1·63	
Diurnal oscillation...	.....	.....	1·80	0·25	0·00	0·47	1·17	2·15	3·17	3·72	
Diurnal declination .	.....	.....	29' 27" +1°	27' 54"	27' 39"	28' 07"	28' 49"	29' 48"	30' 49"	31' 22"	
$\alpha\left(1+\frac{H}{F}\right)=1' \times 1\cdot000139=1' \cdot 000139$. Declinometer No. II.											
Sums .....	.....	.....	151·7	195·8	194·0	194·6	198·8	203·6	207·4	209·1	
Means of 4 days ...	.....	.....	50·57	48·95	48·50	48·65	49·70	50·90	51·85	52·28	
Diurnal changes ...	.....	.....	-0·22	-1·84	-2·29	-2·14	-1·09	+0·11	+1·06	+1·49	
Diurnal oscillation...	.....	.....	2·07	0·45	0·00	0·15	1·20	2·40	3·35	3·78	
Diurnal declination .	.....	.....	29' 41" +1°	28' 04"	27' 37"	27' 46"	28' 49"	30' 01"	30' 58"	31' 24"	

Observatory at Carimon Island.—Hourly observations made during the

$\alpha\left(1+\frac{H}{F}\right)=1' \times 1\cdot000158=1' \cdot 000158$. Declinometer No. I.											
Sums .....	.....	.....	199·1	233·4	229·3	232·0	238·7	244·9	248·2	249·4	
Means of 6 days ...	.....	.....	39·82	38·90	38·22	38·67	39·78	40·82	41·37	41·57	
Diurnal changes ...	.....	.....	-0·18	-1·10	-1·78	-1·33	-0·22	+0·82	+1·37	+1·57	
Diurnal oscillation...	.....	.....	1·60	0·68	0·00	0·45	1·56	2·60	3·15	3·35	
Diurnal declination .	.....	.....	23' 07" +1°	22' 12"	21' 31"	21' 58"	23' 05"	24' 07"	24' 40"	24' 52"	

TABLE A.

of December, 1848. Latitude $1^{\circ} 18' 32''$ N. Longitude $103^{\circ} 56' 30''$ E. (*Continued.*)

1.	2.	3.	4.	5.	6.	7.	8.	9.	Sums.	Means.	Declin.
Zero from the 1st to the 16th, 40·77. $\alpha=1^{\circ} 35' 29''$ East.											
645·2	646·5	636·3	628·8	614·0	604·3	605·6	602·6	597·1	11401·0	600·1	$1^{\circ} 37' 34''$
46·09	46·18	45·45	44·91	43·86	43·16	43·26	43·04	42·65	814·35	42·86	
+2'·20	+2'·26	+1'·76	+1'·32	+0'·68	+0'·20	+0'·27	+0'·12	−0'·14			
4'·83	4'·89	4'·39	3'·95	3'·31	2'·83	2'·90	2'·75	2'·49			
39' 02''	39' 10''	38' 40''	38' 13''	37' 35''	37' 06''	37' 10''	37' 01''	36' 46''			

Month of February, 1846. Latitude $0^{\circ} 09' 09''$ N. Longitude $104^{\circ} 21' 00''$ E.

Zero from the 6th to the 9th, 41·40. $\alpha=1^{\circ} 28' 49''$ East.											
175·0	172·8	170·7	170·5	170·2	170·8	170·2	127·3	2623·7	169·3	$29' 43''$
43·75	43·20	42·68	42·63	42·55	42·70	42·55	42·43	.....	677·06	42·32
+1'·43	+0'·88	+0'·36	+0'·31	+0'·23	+0'·38	+0'·23	+0'·11	.....		
3'·52	2'·97	2'·45	2'·40	2'·32	2'·47	2'·32	2'·20	.....		
31' 10''	30' 37''	30' 06''	30' 03''	29' 58''	30' 07''	29' 58''	29' 51''	.....		

Zero from the 6th to the 9th, 49·70. $\alpha=1^{\circ} 28' 49''$ East.

208·5	207·3	205·4	205·3	205·1	205·2	205·0	152·2	3149·0	203·2	$29' 55''$
52·13	51·83	51·35	51·33	51·28	51·30	51·25	50·73	.....	812·60	50·79
+1'·34	+1'·04	+0'·56	+0'·54	+0'·49	+0'·51	+0'·46	−0'·06	.....		
3'·63	3'·33	2'·85	2'·83	2'·78	2'·80	2'·75	2'·23	.....		
31' 15''	30' 57''	30' 28''	30' 27''	30' 24''	30' 25''	30' 22''	29' 51''	.....		

Month of January, 1846. Latitude $0^{\circ} 59' 22''$ N. Longitude $103^{\circ} 27' 00''$ E.Zero from the 26th to the 31st of January, 39·78. $\alpha=1^{\circ} 23' 05''$ East.

248·6	246·1	241·0	237·5	235·9	237·3	238·8	240·1	3800·3	240·0	$1^{\circ} 23' 17''$
41·43	41·02	40·17	39·58	39·32	39·55	39·80	40·02	.....	640·34	40·00
+1'·43	+1'·02	+0'·17	−0'·42	−0'·68	−0'·45	−0'·20	+0'·02	.....		
3'·21	2'·80	1'·95	1'·36	1'·10	1'·33	1'·58	1'·80	.....		
24' 44''	24' 19''	23' 28''	22' 53''	22' 37''	22' 51''	23' 06''	23' 19''	.....		

TABLE A.

Observatory at Carimon Island.—Hourly observations made during the Month of

Astron. Mean Time of Station. }	15.	16.	17.	18.	19.	20.	21.	22.	23.	0.	
$\alpha\left(1+\frac{H}{F}\right)=1' \times 1.000139=1'000139$. Declinometer No. II.											
Sums	233.1	271.5	268.2	273.7	281.3	289.0	293.6	296.2	
Means of 6 days.....	46.62	45.25	44.70	45.62	46.88	48.17	48.93	49.37	
Diurnal changes.....	-0.91	-2.28	-2.83	-1.91	-0.65	+0.64	+1.40	+1.84	
Diurnal oscillation...	1.92	0.55	0.00	0.92	2.18	3.47	4.23	4.67	
Diurnal declination	22' 49" +1°	21' 27"	20' 54"	21' 49"	23' 05"	24' 22"	25' 08"	25' 34"	

Observatory at Padang.—Hourly observations made during the Month of

$\alpha\left(1+\frac{H}{F}\right)=1' \times 1.000207=1'0002$. Declinometer No. I.											
Sums	953.6	952.6	952.8	872.1	947.6	942.3	940.0	934.2	943.6	959.7	
Means of 12 days ...	79.46	79.38	79.40	79.28	78.97	78.53	78.33	77.85	78.63	79.97	
Diurnal changes.....	-0.12	-0.20	-0.18	-0.30	-0.61	-1.05	-1.25	-1.73	-0.95	-0.39	
Diurnal oscillation...	1.61	1.53	1.55	1.43	1.12	0.68	0.48	0.00	0.78	2.12	
Diurnal declination	26' 03" +1°	25' 58"	25' 59"	25' 52"	25' 33"	25' 07"	24' 55"	24' 26"	25' 13"	26' 33"	
$\alpha\left(1+\frac{H}{F}\right)=1' \times 1.000158=1'000158$. Declinometer No. II.											
Sums	585.1	584.3	583.9	537.4	577.3	572.3	569.8	569.5	581.4	603.0	
Means of 13 days ...	45.01	44.95	44.92	44.78	44.41	44.02	43.83	43.80	44.78	46.39	
Diurnal changes ...	-0.57	-0.63	-0.66	-0.80	-0.17	-1.56	-1.75	-1.78	-0.80	+0.81	
Diurnal oscillation...	1.21	1.15	1.12	0.98	0.61	0.22	0.03	0.00	0.98	2.59	
Diurnal declination .	25' 38" +1°	25' 32"	25' 32"	25' 26"	25' 02"	24' 38"	24' 26"	24' 26"	25' 26"	27' 02"	

Observatory at Padang.—Hourly observations made during the Month

$\alpha\left(1+\frac{H}{F}\right)=1' \times 1.000207=1'0002$. Declinometer No. I.											
Sums	2059.9	2060.6	2052.8	2034.2	2012.6	2016.1	2017.3	2030.6	2060.3	2085.3	
Means of 26 days ...	79.23	79.25	78.95	78.24	77.41	77.54	77.59	78.10	79.24	80.20	
Diurnal changes.....	-0.06	-0.04	-0.34	-1.05	-1.88	-1.75	-1.70	-1.19	-0.05	+0.91	
Diurnal oscillation...	1.82	1.84	1.54	0.83	0.00	0.13	0.18	0.69	1.83	2.79	
Diurnal declination .	25' 32" +1°	25' 32"	25' 14"	24' 32"	23' 44"	23' 50"	23' 56"	24' 26"	25' 32"	26' 32"	

TABLE A.

January, 1846. Latitude $0^{\circ} 59' 22''$ N. Longitude $103^{\circ} 27' 00''$ E. (*Continued.*)

1.	2.	3.	4.	5.	6.	7.	8.	9.	Sums.	Means.	Declin.
Zero from the 26th to the 31st, 46·88. $\alpha=1^{\circ} 23' 05''$ East.											
295·8	294·4	290·3	287·7	285·2	285·9	285·5	283·8	4515·2	285·1	$1^{\circ} 23' 41''$
49·30	49·07	48·38	47·95	47·53	47·65	47·58	47·30	.....	760·30	47·53
+1'·77	+1'·54	+0'·85	+0'·42	0'·00	+0'·12	+0'·05	-0'·23	.....		
4'·60	4'·37	3'·68	3'·25	2'·83	2'·95	2'·88	2'·60	.....		
25' 30"	25' 16"	24' 35"	24' 09"	23' 44"	23' 51"	23' 47"	23' 30"	.....		

October, 1847. Latitude $0^{\circ} 58' 58''$ S. Longitude $100^{\circ} 31' 15''$ E.Zero from the 17th to the 31st, 77·85. $\alpha=1^{\circ} 24' 26''$ East.

969·1	971·7	969·0	968·1	963·4	961·6	958·5	955·5	950·1	18065·5	955·1	$1^{\circ} 26' 10''$
80·76	80·98	80·75	80·68	80·28	80·13	79·88	79·63	79·18	1512·07	79·58	
+1'·18	+1'·40	+1'·17	+1'·10	+0'·70	+0'·55	+0'·30	+0'·05	-0'·40			
2'·91	3'·13	2'·90	2'·83	2'·43	2'·28	2'·03	1'·78	1'·33			
27' 21"	27' 34"	27' 20"	27' 16"	26' 52"	26' 43"	26' 28"	26' 14"	25' 40"			

Zero from the 16th to the 30th, 43·83. $\alpha=1^{\circ} 24' 26''$ East.

618·8	623·5	618·9	563·0	556·0	601·0	598·0	592·1	585·4	11120·7	592·8	$1^{\circ} 26' 14''$
47·60	47·96	47·60	46·92	46·33	46·23	46·00	45·41	45·03	865·97	45·58	
+2'·02	+2'·38	+2'·02	+1'·34	+0'·75	+0'·65	+0'·42	-0'·17	-0'·55			
3'·80	4'·16	3'·80	3'·12	2'·53	2'·43	2'·20	1'·61	1'·23			
27' 44"	28' 38"	28' 14"	27' 32"	26' 56"	26' 50"	26' 38"	26' 02"	25' 38"			

of November, 1847. Latitude $0^{\circ} 58' 58''$ S. Longitude $100^{\circ} 31' 15''$ E.Zero from the 1st to the 31st, 78·10. $\alpha=1^{\circ} 24' 26''$ East.

2099·6	2102·3	2095·4	2088·9	2079·0	2073·9	2074·1	2066·8	2059·8	39169·5	2061·55	$1^{\circ} 25' 38''$
80·75	80·86	80·59	80·34	79·96	79·77	79·77	79·49	79·22	1506·50	79·29	
+1'·46	+1'·57	+1'·30	+1'·05	+0'·67	+0'·48	+0'·48	0'·20	-0'·07			
3'·34	3'·45	3'·18	2'·93	2'·55	2'·36	2'·36	2'·08	1'·81			
27' 02"	27' 14"	26' 56"	26' 38"	26' 14"	26' 08"	26' 08"	25' 50"	25' 32"			

TABLE A.

Observatory at Padang.—Hourly observations made during the

Astron. Mean Time of Station. }	15.	16.	17.	18.	19.	20.	21.	22.	23.	0.
$\alpha\left(1+\frac{H}{F}\right)=1' \times \cdot 000158=1' \cdot 000158.$ Declinometer No. II.										
Sums	1154·7	1153·5	1145·9	1127·6	1103·2	1107·3	1110·6	1130·8	1166·8	1199·2
Means of 26 days ...	44·41	44·37	44·07	43·37	42·43	42·59	42·72	43·49	44·88	46·12
Diurnal changes ...	−0'·44	−0'·48	−0'·78	−1'·48	−2'·42	−2'·26	−2'·13	−1'·36	+0'·03	+1'·27
Diurnal oscillation...	1'·98	1'·94	1'·64	0'·94	0'·00	0'·16	0'·29	1'·06	2'·45	3'·69
Diurnal declination .	25' 20" +1°	25' 20"	25' 02"	24' 20"	23' 20"	23' 32"	23' 38"	24' 26"	25' 50"	27' 02"

Observatory at Padang.—Hourly observations made during the

$\alpha\left(1+\frac{H}{F}\right)=1' \times \cdot 000207=1' \cdot 002.$ Declinometer No. I.										
Sums	2042·3	2039·9	2031·4	2013·5	1986·0	1970·1	1982·1	2000·1	2021·3	2052·6
Means of 26 days ...	78·55	78·46	78·13	77·44	76·38	75·77	76·23	76·93	77·74	78·95
Diurnal changes.....	+0'·21	+0'·12	−0'·21	−0'·90	−1'·96	−2'·57	−2'·11	−1'·41	−0'·60	+0'·61
Diurnal oscillation...	2'·78	2'·69	2'·36	1'·67	0'·61	0'·00	0'·46	1'·16	1'·97	3'·18
Diurnal declination .	26' 02" +1°	25' 56"	25' 38"	24' 56"	23' 56"	23' 20"	24' 38"	24' 26"	25' 14"	26' 26"
$\alpha\left(1+\frac{H}{F}\right)=1' \times \cdot 000158=1' \cdot 000158.$ Declinometer No. II.										
Sums	1165·7	1163·8	1155·2	1139·2	1107·6	1096·5	1115·0	1143·5	1174·7	1214·2
Means of 26 days ...	44·83	44·76	44·43	43·82	42·60	42·17	42·88	43·98	45·18	46·70
Diurnal changes ...	−0'·63	−0'·70	−1'·03	−1'·64	−2'·86	−3'·29	−2'·58	−1'·48	−0'·28	+1'·24
Diurnal oscillation...	2'·66	2'·59	2'·26	1'·65	0'·43	0'·00	0'·71	1'·81	3'·01	4'·53
Diurnal declination .	25' 14" +1°	25' 14"	24' 50"	24' 14"	23' 02"	22' 38"	23' 20"	24' 26"	25' 38"	27' 08"

Observatory at Padang.—Hourly observations made during the

$\alpha\left(1+\frac{H}{F}\right)=1' \times \cdot 000207=1' \cdot 002.$ Declinometer No. I.										
Sums	1003·5	1001·5	998·7	988·6	976·8	974·6	979·4	984·5	990·9	1006·1
Means of 13 days ...	77·19	77·04	76·82	76·05	75·14	74·97	75·34	75·73	76·22	77·39
Diurnal changes ...	+0'·20	+0'·05	−0'·17	−0'·94	−1'·85	−2'·02	−1'·65	−1'·26	−0'·77	+0'·40
Diurnal oscillation...	2'·22	2'·07	1'·85	1'·08	0'·17	0'·00	0'·37	0'·76	1'·25	2'·42
Diurnal declination .	25' 56" +1°	25' 44"	25' 32"	24' 44"	25' 02"	25' 08"	24' 50"	24' 26"	24' 56"	26' 08"

TABLE A.

Month of November, 1847. Latitude $0^{\circ} 58' 58''$ S. Longitude $100^{\circ} 31' 15''$ E. (*Continued.*)

1.	2.	3.	4.	5.	6.	7.	8.	9.	Sums.	Means.	Declin.
Zero from the 1st to the 30th, 43.49. $\alpha=1^{\circ} 24' 26''$ East.											
1217.7	1223.0	1217.3	1208.1	1194.5	1184.7	1180.6	1169.9	1162.2	22157.6	1166.20	
46.83	47.04	46.82	46.47	45.94	45.57	45.41	44.99	44.70	852.22	44.85	$1^{\circ} 25' 44''$
+1'.98	+2'.19	+1'.97	+1'.62	+1'.09	+0'.72	+0'.56	+0'.14	-0'.15			
4'.40	4'.61	4'.39	4'.04	3'.51	3'.14	2'.98	2'.56	2'.27			
27' 44"	27' 56"	27' 44"	27' 26"	26' 50"	26' 32"	26' 20"	25' 56"	25' 38"			

Month of December, 1847. Latitude $0^{\circ} 58' 58''$ S. Longitude $100^{\circ} 31' 15''$ E.

Zero from the 1st to the 31st, 76.93. $\alpha=1^{\circ} 24' 26''$ East.											
2067.6	2072.7	2080.5	2078.2	2066.0	2049.1	2051.9	2050.6	2044.2	38700.1	2036.6	
79.52	79.72	80.02	79.93	79.46	78.81	78.92	78.87	78.62	1488.45	78.34	$1^{\circ} 25' 50''$
+1'.18	+1'.38	+1'.68	+1'.59	+1'.12	+0'.47	+0'.58	+0'.53	+0'.28			
3'.75	3'.95	4'.25	4'.16	3'.69	3'.04	3'.15	3'.10	2'.85			
27' 02"	27' 14"	27' 32"	27' 26"	27' 02"	26' 20"	26' 26"	26' 26"	26' 08"			

Zero from the 1st to the 31st, 43.98. $\alpha=1^{\circ} 24' 26''$ East.

1237.2	1244.9	1255.0	1246.3	1228.4	1202.3	1197.4	1189.0	1179.8	22455.7	1181.7	
47.58	47.88	48.27	47.93	47.25	46.24	46.05	45.73	45.38	863.66	45.46	$1^{\circ} 25' 56''$
+2'.12	+2'.42	+2'.81	+2'.47	+1'.79	+0'.78	+0'.59	+0'.27	-0'.08			
5'.41	5'.71	6'.10	5'.76	5'.08	4'.07	3'.88	3'.56	3'.21			
27' 44"	28' 10"	28' 44"	28' 20"	27' 38"	26' 38"	26' 26"	26' 08"	25' 50"			

Month of January, 1848. Latitude $0^{\circ} 58' 58''$ S. Longitude $100^{\circ} 31' 15''$ E.

Zero from the 1st to the 15th, 75.73. $\alpha=1^{\circ} 24' 26''$ East.											
1013.6	1016.7	1019.4	1018.7	1010.9	1007.4	1015.2	1007.7	1003.5	19017.7	1001.0	
77.97	78.21	78.42	78.36	77.76	77.49	78.09	77.52	77.19	1462.90	76.99	$1^{\circ} 25' 44''$
+0'.98	+1'.22	+1'.43	+1'.37	+0'.77	+0'.50	+1'.10	+0'.53	+0'.20			
3'.00	3'.24	3'.45	3'.39	2'.79	2'.54	3'.12	2'.55	2'.22			
26' 44"	26' 56"	27' 08"	27' 08"	26' 32"	26' 14"	26' 50"	26' 14"	25' 56"			

TABLE A.

Observatory at Padang.—Hourly observations made during the Month of

Astron. Mean Time of Station. }	12.	13.	14.	15.	16.	17.	18.	19.	20.	21.	22.	23.	0.	
$\alpha\left(1+\frac{H}{F}\right)=1'\times 1\cdot000158=1'\cdot000158.$ Declinometer No. II.														
Sums	585·7	583·3	579·4	569·7	558·4	557·7	567·4	576·4	587·3	606·9	
Means of 13 days	45·05	44·87	44·57	43·82	42·95	42·90	43·65	44·34	45·18	46·68	
Diurnal changes	−0'·62	−0'·80	−1'·10	−1'·85	−2'·72	−2'·77	−2'·02	−1'·33	−0'·49	+1'·01	
Diurnal oscillation...	2'·15	1'·97	1'·67	0'·92	0'·05	0'·00	0'·75	1'·41	2'·28	3'·78	
Diurnal declination	25' 08" +1°	25' 02"	24' 44"	23' 56"	23' 02"	23' 02"	23' 44"	24' 26"	25' 20"	26' 50"	

Observatory at Poolo Bay.—Hourly observations made during the Months of

$\alpha\left(1+\frac{H}{F}\right)=1'\times 1\cdot000207=1'\cdot000207.$ Declinometer No. I.														
Sums .....	.....	.....	.....	458·0	458·5	459·4	462·4	278·4	456·2	449·9	448·0	447·3	449·2	
Means of 5 days ...	.....	.....	.....	91·60	91·70	91·88	92·48	92·80	91·24	89·98	89·60	89·46	89·84	
Diurnal changes ...	.....	.....	.....	+0'·39	+0'·49	+0'·67	+1'·27	+1'·59	+0'·03	−1'·23	−1'·61	−1'·75	−1'·37	
Diurnal oscillation...	.....	.....	.....	2'·14	2'·24	2'·42	3'·02	3'·34	1'·78	0'·52	0'·14	0'·00	0'·38	
Diurnal declination .	.....	.....	.....	06' 46" +1°	06' 52"	07' 03"	07' 39"	07' 58"	06' 25"	05' 09"	05' 32"	05' 38"	05' 01"	
$\alpha\left(1+\frac{H}{F}\right)=1'\times 1\cdot000158=1'\cdot000158.$ Declinometer No. II.														
Sums .....	.....	.....	.....	98·2	98·9	100·1	102·1	100·7	98·6	96·0	94·5	93·9	94·6	
Means of 2 days ...	.....	.....	.....	49·10	49·45	50·05	51·05	50·35	49·30	48·00	47·25	46·95	47·30	
Diurnal changes.....	.....	.....	.....	−0'·55	−0'·20	+0'·40	+1'·40	+0'·70	−0'·35	−1'·65	−2'·40	−2'·70	−2'·35	
Diurnal oscillation ...	.....	.....	.....	2'·15	2'·50	3'·10	4'·10	3'·40	2'·35	1'·05	0'·30	0'·00	0'·35	
Diurnal declination .	.....	.....	.....	06' 15" +1°	06' 36"	07' 12"	08' 12"	07' 30"	06' 27"	05' 09"	04' 24"	04' 06"	04' 27"	

Observatory at Batavia.—Hourly observations made during the Month of

$\alpha\left(1+\frac{H}{F}\right)=1'\times 1\cdot000207=1'\cdot000207.$ Declinometer No. I.														
Sums	1514·8	1592·5	1593·3	1589·8	1589·0	1587·7	1570·5	1559·3	1556·0	1563·8	1576·9	1598·1	1623·6	
Means of 19 days ...	84·16	83·82	83·86	83·67	83·63	83·56	82·66	82·07	81·89	82·30	82·99	84·11	85·45	
Diurnal changes ...	0'·0	−0'·4	−0'·3	−0'·5	−0'·6	−0'·6	−1'·5	−2'·1	−2'·3	−1'·9	−1'·2	−0'·1	+1'·2	
Diurnal oscillation...	2'·3	1'·9	2'·0	1'·8	1'·7	1'·7	0'·8	0'·2	0'·0	0'·4	1'·1	2'·2	3'·3	
Diurnal declination .	49' 01" +0°	48' 37"	48' 43"	48' 31"	48' 25"	48' 25"	47' 31"	46' 55"	46' 43"	47' 07"	47' 49"	48' 55"	50' 13"	

TABLE A.

January, 1848. Latitude $0^{\circ} 58' 58''$ S. Longitude $100^{\circ} 31' 15''$ E. (*Continued.*)

1	2.	3.	4.	5.	6.	7.	8.	9.	10.	11.	Sums.	Means.	Declin.
Zero from the 1st to the 15th, 44.34 $\alpha=1^{\circ} 24' 26''$ East.													
618.7	624.5	626.5	622.2	611.2	604.9	608.0	598.8	593.7	11280.7	593.7	$1^{\circ} 25' 50''$
47.59	48.04	48.19	47.86	47.02	46.53	46.77	46.06	45.67	.....	.....	867.74	45.67
+1'.92	+2'.37	+2'.52	+2'.19	+1'.35	+0'.86	+1'.10	+0'.39	0'.00	.....	.....	
4'.69	5'.14	5'.29	4'.96	4'.12	3'.63	3'.87	3'.16	2'.77	.....	.....	
27' 44"	28' 08"	28' 20"	28' 02"	27' 08"	26' 38"	26' 56"	36' 14"	25' 50"	.....	.....	

August and September, 1847. Latitude $3^{\circ} 53' 54''$ S. Longitude $102^{\circ} 28' 45''$ E.

Zero from the 31st of August to September the 4th inclusive, 89.98. $\alpha=1^{\circ} 05' 09''$ East.													
453.2	457.6	463.3	464.7	459.3	456.3	455.0	453.9	452.2	8482.8	456.1	$1^{\circ} 06' 23''$
90.64	91.52	92.66	92.94	91.86	91.26	91.00	90.78	90.44	.....	.....	1733.68	91.21
-0'.57	+0'.31	+1'.45	+1'.73	+0'.65	+0'.05	-0'.21	-0'.43	-0'.77	.....	.....	
1'.18	2'.06	3'.20	3'.48	2'.40	1'.80	1'.54	1'.32	0'.98	.....	.....	
05' 35"	06' 41"	08' 01"	08' 07"	07' 02"	06' 26"	06' 10"	05' 57"	05' 37"	.....	.....	

Zero from the 31st of August to September the 4th inclusive, 50.86. $\alpha=1^{\circ} 05' 09''$ East.													
96.8	100.1	102.5	102.4	101.9	102.2	101.8	101.3	100.0	1886.6	99.3	$1^{\circ} 06' 48''$
48.40	50.05	51.25	51.20	50.95	51.10	50.90	50.65	50.00	.....	.....	943.3	49.65
-1'.25	+0'.40	+1'.60	+1'.55	+1'.30	+1'.45	+1'.25	+1'.00	+0'.35	.....	.....	
1'.45	3'.10	4'.30	4'.25	4'.00	4'.15	3'.95	3'.70	3'.05	.....	.....	
05' 33"	07' 12"	08' 24"	08' 21"	08' 06"	08' 15"	08' 03"	07' 48"	07' 09"	.....	.....	

November, 1846. Latitude $6^{\circ} 09' 52''$ S. Longitude $106^{\circ} 58' 00''$ E.

Zero from the 9th to the 30th, 82.30. $\alpha=0^{\circ} 47' 07''$ East.													
1643.3	1644.2	1638.5	1630.4	1623.9	1612.7	1610.5	1605.5	1603.1	1597.1	1597.3	38321.8	1600.2	$0^{\circ} 49' 01''$
86.49	86.54	86.24	85.81	85.47	84.88	84.76	84.50	84.37	84.06	84.07	2021.36	84.22	
+2'.3	+2'.3	+2'.0	+1'.6	+1'.3	+0'.7	+0'.6	+0'.3	+0'.2	-0'.1	-0'.1			
4'.6	4'.6	4'.3	3'.9	3'.6	3'.0	2'.9	2'.6	2'.5	2'.2	2'.2			
51' 19"	51' 19"	51' 01"	50' 37"	50' 19"	49' 43"	49' 37"	49' 19"	49' 19"	48' 55"	48' 55"			

TABLE A.

Observatory at Batavia.—Hourly observations made during the

Astron. Mean Time of Station. }	12.	13.	14.	15.	16.	17.	18.	19.	20.	21.	22.	23.	0.	
$\alpha\left(1+\frac{H}{F}\right)=1' \times 1.000139=1'.000139.$ Declinometer No. II.														
Sums	939.1	988.0	986.8	982.2	980.4	977.8	963.4	948.2	946.0	953.3	969.7	991.2	967.2	
Means of 19 days ...	52.17	52.00	51.94	51.69	51.60	51.46	50.70	49.90	49.79	50.17	51.04	52.17	53.73	
Diurnal changes ...	-0.1	-0.3	-0.4	-0.6	-0.7	-0.8	-1.6	-2.4	-2.5	-2.1	-1.3	-0.1	+1.4	
Diurnal oscillation...	2.4	2.2	2.1	1.9	1.8	1.7	0.9	0.1	0.0	0.4	1.2	2.4	3.9	
Diurnal declination	49' 07" +0°	48' 55"	48' 49"	48' 37"	48' 31"	48' 25"	47' 57"	46' 49"	46' 43"	47' 07"	47' 55"	49' 07"	50' 37"	

Observatory at Batavia.—Hourly observations made during the

$\alpha\left(1+\frac{H}{F}\right)=1' \times 1.000207=1'.000207.$ Declinometer No. I.														
Sums	2007.7	2006.2	2004.5	2080.5	2076.6	2067.7	2049.0	2022.0	1553.1	1327.6	1344.1	1357.9	2109.9	
Means of 25 days ...	80.31	80.25	80.18	80.02	79.87	79.53	78.81	77.77	77.66	78.09	79.06	79.88	81.15	
Diurnal changes ...	+0.1	0.0	0.0	-0.2	-0.3	-0.7	-1.4	-2.4	-2.5	-2.1	-1.1	-0.3	+0.9	
Diurnal oscillation...	2.6	2.5	2.5	2.3	2.2	1.8	1.1	0.1	0.0	0.4	1.4	2.2	3.4	
Diurnal declination	49' 19" +0°	49' 13"	49' 13"	49' 01"	48' 55"	48' 31"	47' 49"	46' 49"	46' 43"	47' 07"	48' 07"	48' 55"	50' 07"	

$\alpha\left(1+\frac{H}{F}\right)=1' \times 1.000139=1'.000139.$ Declinometer No. II.														
Sums	1311.7	1308.8	1304.4	1351.3	1345.2	1336.4	1316.3	1288.6	937.1	846.0	864.2	880.8	1391.9	
Means of 25 days ...	52.47	52.35	52.18	51.97	51.74	51.40	50.63	49.56	49.32	49.77	50.84	51.81	53.53	
Diurnal changes ...	-0.1	-0.3	-0.4	-0.6	-0.9	-1.2	-2.0	-3.0	-3.3	-2.8	-1.8	-0.8	+0.9	
Diurnal oscillation...	3.2	3.0	2.9	2.7	2.4	2.1	1.3	0.3	0.0	0.5	1.5	2.5	4.2	
Diurnal declination	49' 44" +0°	49' 37"	49' 31"	49' 19"	49' 01"	48' 43"	47' 55"	46' 55"	46' 37"	47' 07"	48' 07"	49' 07"	50' 49"	

Observatory at Batavia.—Hourly observations made during the

$\alpha\left(1+\frac{H}{F}\right)=1' \times 1.000207=1'.000207.$ Declinometer No. I.														
Sums	1416.3	1417.6	1415.1	1977.6	1974.2	1968.3	1955.2	1921.1	1912.0	1923.0	1935.8	1958.1	1992.0	
Means of 25 days ...	78.68	78.76	78.62	79.10	78.97	78.73	78.21	76.84	76.48	76.92	77.43	78.32	79.68	
Diurnal changes ...	-0.2	-0.1	-0.3	+0.2	+0.1	-0.2	-0.7	-2.1	-2.4	-2.0	-1.5	-0.6	+0.8	
Diurnal oscillation...	2.2	2.3	2.1	2.6	2.5	2.2	1.7	0.3	0.0	0.4	0.9	1.8	3.2	
Diurnal declination	48' 55" +0°	49' 01"	48' 49"	49' 19"	49' 13"	48' 55"	48' 25"	47' 01"	46' 43"	47' 07"	47' 37"	48' 31"	49' 55"	

TABLE A.

Month of November, 1846. Latitude $6^{\circ} 09' 52''$ S. Longitude $106^{\circ} 58' 00''$ E. (*Continued.*)

1.	2.	3.	4.	5.	6.	7.	8.	9.	10.	11.	Sums.	Means.	Declin.
Zero from the 9th to the 30th, 50.17. $\alpha=0^{\circ} 47' 07''$ East.													
983.5	989.9	986.6	978.4	915.2	1010.8	1006.4	999.5	996.4	989.5	989.2	23438.7	994.0	$0^{\circ} 49' 13''$
54.64	54.99	54.81	54.36	53.84	53.20	52.97	52.60	52.44	52.08	52.06	1256.35	52.32	
+2'.3	+2'.7	+2'.5	+2'.1	+1'.5	+0'.9	+0'.7	+0'.3	+0'.1	-0'.2	-0'.2			
4'.8	5'.2	5'.0	4'.6	4'.0	3'.4	3'.2	2'.8	2'.6	2'.3	2'.3			
51' 31''	51' 51''	51' 43''	51' 19''	50' 43''	50' 07''	49' 55''	49' 31''	49' 19''	49' 01''	49' 01''			

Month of December, 1846. Latitude $6^{\circ} 09' 52''$ S. Longitude $106^{\circ} 58' 00''$ E.

Zero from the 1st to the 31st, 78.11. $\alpha=0^{\circ} 47' 07''$ East.													
2130.4	2136.0	2130.8	2121.7	2106.8	2015.1	2014.9	1529.7	1206.3	1202.7	1200.2	43801.4	2085.99	$0^{\circ} 49' 19''$
81.94	82.15	81.95	81.60	81.03	80.60	80.60	80.51	80.42	80.18	80.01	1923.57	80.22	
+1'.7	+1'.9	+1'.7	+1'.4	+0'.8	+0'.4	+0'.4	+0'.3	+0'.2	0'.0	-0'.2			
4'.2	4'.4	4'.2	3'.9	3'.3	2'.9	2'.9	2'.8	2'.7	2'.5	2'.3			
50' 55''	51' 07''	50' 55''	50' 37''	50' 01''	49' 37''	49' 37''	49' 31''	49' 25''	49' 13''	49' 01''			

Zero from the 1st to the 31st, 49.77. $\alpha=0^{\circ} 47' 07''$ East.

1420.1	1429.9	1428.1	1423.1	1409.5	1341.2	1337.7	1011.0	792.0	787.9	782.1	28645.3	1368.87	$0^{\circ} 49' 55''$
54.62	55.00	54.93	54.73	54.21	53.65	53.51	53.21	52.80	52.53	52.14	1258.90	52.56	
+2'.0	+2'.4	+2'.3	+2'.1	+1'.6	+1'.0	+0'.9	+0'.6	+0'.2	-0'.1	-0'.5			
5'.3	5'.7	5'.6	5'.4	4'.9	4'.3	4'.2	3'.9	3'.5	3'.2	2'.8			
51' 55''	52' 19''	52' 13''	52' 01''	51' 31''	50' 55''	50' 49''	50' 31''	50' 07''	49' 49''	49' 25''			

Month of January, 1847. Latitude $6^{\circ} 09' 52''$ S. Longitude $106^{\circ} 58' 00''$ E.

Zero from the 1st to the 31st, 76.9. $\alpha=0^{\circ} 47' 07''$ East.													
2020.7	2025.8	2019.0	2003.4	1990.4	1987.2	1991.2	1587.1	1417.2	1413.7	1412.8	43634.8	1975.2	$0^{\circ} 49' 07''$
80.83	81.03	80.76	80.14	79.62	79.49	79.65	79.36	78.73	78.54	78.49	1893.38	78.90	
+1'.9	+2'.1	+1'.9	+1'.2	+0'.7	+0'.6	+0'.7	+0'.5	-0'.2	-0'.4	-0'.4			
4'.3	4'.5	4'.3	3'.6	3'.1	3'.0	3'.1	2'.9	2'.2	2'.0	2'.0			
51' 01''	51' 13''	51' 01''	50' 19''	49' 49''	49' 43''	49' 49''	49' 37''	48' 55''	48' 43''	48' 43''			

TABLE A.

Observatory at Batavia.—Hourly observations made during the

Astron. Mean Time of Station. } 12. 13. 14. 15. 16. 17. 18. 19. 20. 21. 22. 23. 0.	$\alpha\left(1+\frac{H}{F}\right)=1' \times 0.00139=1' \cdot 000139$. Declinometer No. II.												
Sums	919.8	919.5	917.6	1258.2	1252.7	1244.0	1229.5	1195.8	1186.0	1198.6	1214.7	1235.6	1283.9
Means of 25 days ...	51.10	51.08	50.98	50.33	50.11	49.76	49.18	47.83	47.44	47.94	48.59	49.42	51.36
Diurnal changes ...	+0.5	+0.5	+0.4	-0.3	-0.5	-0.8	-1.4	-2.8	-3.2	-2.7	-2.0	-1.2	+0.8
Diurnal oscillation...	3.7	3.7	3.6	2.9	2.7	2.4	1.8	0.4	0.0	0.5	1.2	2.0	4.0
Diurnal declination	50' 19" +0°	50' 19"	50' 13"	49' 31"	49' 13"	49' 01"	48' 25"	47' 01"	46' 37"	47' 07"	47' 49"	48' 37"	50' 37"

Observatory at Batavia.—Hourly observations made during the

$\alpha\left(1+\frac{H}{F}\right)=1' \times 1.000207=1' \cdot 000207$. Declinometer No. I.													
Sums	1303.5	1304.9	1304.8	1971.4	1972.8	1973.8	1971.0	1940.3	1907.2	1892.2	1898.2	1928.2	1971.4
Means of 24 days ...	81.47	81.56	81.55	82.14	82.20	82.24	82.12	80.85	79.47	78.84	79.09	80.34	82.14
Diurnal changes ...	-0.6	-0.5	-0.6	0.0	+0.1	+0.1	0.0	-1.3	-2.6	-3.3	-3.0	-1.8	0.0
Diurnal oscillation .	2.7	2.8	2.7	3.3	3.4	3.4	3.3	2.0	0.7	0.0	0.3	1.5	3.3
Diurnal declination	49' 49" +0°	49' 55"	49' 49"	50' 25"	50' 31"	50' 31"	50' 25"	49' 07"	47' 49"	47' 07"	47' 25"	48' 37"	50' 25"

$\alpha\left(1+\frac{H}{F}\right)=1' \times 1.000139=1' \cdot 000139$. Declinometer No. II.													
Sums	791.4	795.2	790.0	1183.4	1184.7	1184.1	1178.2	1148.4	1109.5	1095.7	1105.9	1143.9	1193.5
Means of 24 days ...	49.46	49.70	49.38	49.31	49.36	49.34	49.09	47.85	46.23	45.65	46.08	47.66	49.73
Diurnal changes.....	-0.1	+0.1	-0.2	-0.3	-0.2	-0.3	-0.5	-1.8	-3.4	-4.0	-3.5	-1.9	+0.1
Diurnal oscillation...	3.9	4.1	3.8	3.7	3.8	3.7	3.5	2.2	0.6	0.0	0.5	2.1	4.1
Diurnal declination	51' 01" +0°	51' 13"	50' 55"	50' 49"	50' 55"	50' 49"	50' 37"	49' 19"	47' 43"	47' 07"	47' 37"	49' 13"	51' 13"

Observatory at Batavia.—Hourly observations made during the

$\alpha\left(1+\frac{H}{F}\right)=1' \times 1.000207$. Declinometer No. I.													
Sums .....	.....	.....	.....	2244.0	2237.9	2232.2	2230.5	2213.1	2195.7	2197.8	2214.4	2232.0	2251.5
Means of 27 days ...	.....	.....	.....	83.11	82.89	82.67	82.61	81.97	81.32	81.40	82.02	82.67	83.39
Diurnal changes.....	.....	.....	.....	+0.1	-0.1	-0.3	-0.4	-1.0	-1.7	-1.6	-1.0	-0.3	+0.4
Diurnal oscillation...	.....	.....	.....	1.8	1.6	1.4	1.3	0.7	0.0	1.1	0.7	1.4	2.1
Diurnal declination .	.....	.....	.....	48' 49" +0°	48' 37"	48' 25"	48' 19"	47' 43"	47' 01"	47' 07"	47' 43"	48' 25"	49' 07"

TABLE A.

Month of January, 1847. Latitude $6^{\circ} 09' 52''$ S. Longitude $106^{\circ} 58' 00''$ E. (*Continued.*)

1.	2.	3.	4.	5.	6.	7.	8.	9.	10.	11.	Sums.	Means.	Declin.
Zero from the 1st to the 31st, 47·94. $\alpha=0^{\circ} 47' 07''$ East.													
1313·1	1323·3	1321·4	1307·1	1295·0	1290·1	1291·3	1037·5	928·6	920·9	918·9	28003·1	1263·0	$0^{\circ} 49' 49''$
52·52	52·93	52·86	52·28	51·80	51·60	51·65	51·88	51·59	51·16	51·05	12164·4	50·64	
+1·9	+2·3	+2·3	+1·7	+1·2	+1·0	+1·0	+1·3	+1·0	+0·6	+0·4			
5·1	5·5	5·5	4·9	4·4	4·2	4·2	4·5	4·2	3·8	3·6			
51' 31"	52' 07"	52' 07"	51' 31"	51' 01"	50' 49"	50' 49"	51' 07"	50' 49"	49' 49"	49' 37"			

Month of February, 1847. Latitude $6^{\circ} 09' 52''$ S. Longitude $106^{\circ} 58' 00''$ E.Zero from the 1st to the 28th, 78·8. $\alpha=0^{\circ} 47' 07''$ East.

2010·0	2033·9	2035·7	2023·7	2002·5	1991·1	1990·5	1985·2	1897·2	1138·4	1139·6	43587·5	1972·5	$0^{\circ} 50' 25''$
83·75	84·75	84·82	84·32	83·44	82·96	82·94	82·72	82·49	81·31	81·40	1968·92	82·08	
+1·6	+2·6	+2·7	+2·2	+1·3	+0·9	+0·8	+0·6	+0·4	—0·8	—0·7			
4·9	5·9	6·0	5·5	4·6	4·2	4·1	3·9	3·7	2·5	2·6			
52' 01"	53' 01"	53' 07"	52' 37"	51' 31"	51' 19"	51' 13"	51' 01"	50' 49"	49' 37"	49' 43"			

Zero from the 1st to the 28th, 45·65. $\alpha=0^{\circ} 47' 07''$ East.

1235·0	1262·4	1266·6	1256·0	1234·1	1223·6	1219·6	1213·4	1156·7	696·9	697·8	26366·0	1192·0	$0^{\circ} 51' 07''$
51·46	52·60	52·78	52·33	51·42	50·98	50·82	50·56	50·30	49·78	49·84	1191·71	49·65	
+1·9	+3·0	+3·2	+2·7	+1·8	+1·4	+1·2	+1·0	+0·7	+0·2	+0·2			
5·9	7·0	7·2	6·7	5·8	5·4	5·2	5·0	4·7	4·2	4·2			
53' 01"	54' 57"	54' 19"	53' 49"	52' 55"	52' 31"	52' 19"	52' 07"	51' 49"	51' 19"	51' 19"			

Month of March, 1847. Latitude $6^{\circ} 09' 52''$ S. Longitude $106^{\circ} 58' 00''$ E.Zero from the 1st to the 31st, 81·4. $\alpha=0^{\circ} 47' 07''$ East.

2263·7	2270·8	2267·7	2264·4	2258·6	2254·0	2252·8	2246·7	2148·3	42476·1	2240·1	$0^{\circ} 48' 43''$
83·84	84·10	83·99	83·87	83·65	83·48	83·44	83·21	82·63	.....	.....	1576·26	82·96
+0·8	+1·1	+1·0	+0·9	+0·6	+0·5	+0·4	+0·2	—0·4	.....	.....	
2·5	2·8	2·7	2·6	2·3	2·2	2·1	1·9	1·3	.....	.....	
49' 31"	49' 49"	47' 43"	49' 37"	49' 19"	49' 13"	49' 07"	48' 55"	48' 19"	.....	.....	

TABLE A.

Observatory at Batavia.—Hourly observations made during the

Astron. Mean Time of Station. }	15.	16.	17.	18.	19.	20.	21.	22.	23.	0.	
$\alpha\left(1+\frac{H}{F}\right)=1' \times 1.000139=1'.000139$. Declinometer No. II.											
Sums	1361.5	1354.4	1343.8	1339.0	1322.7	1299.9	1305.5	1321.2	1347.3	1370.4	
Means of 27 days ...	50.43	50.16	49.77	49.59	48.99	48.14	48.35	48.93	49.90	50.76	
Diurnal changes ...	0.0	-0.2	-0.6	-0.8	-1.4	-2.3	-2.1	-1.5	-0.5	+0.4	
Diurnal oscillation...	2.3	2.1	1.7	1.5	0.9	0.0	0.2	0.8	1.8	2.7	
Diurnal declination .	49' 13" +0°	49' 01"	48' 37"	48' 25"	47' 49"	46' 55"	47' 07"	47' 43"	48' 43"	49' 57"	

Observatory at Batavia.—Hourly observations made during the

$\alpha\left(1+\frac{H}{F}\right)=1' \times 1.000158=1'.000158$. Declinometer No. I.											
Sums	2157.6	2155.3	2150.7	2152.2	2138.6	2112.0	2006.4	2098.4	2118.0	2139.6	
Means of 26 days ...	82.98	82.90	82.72	82.78	82.25	81.23	80.26	80.71	81.46	82.29	
Diurnal changes.....	+0.5	+0.4	+0.2	+0.3	-0.3	-1.3	-2.2	-1.8	-1.0	-0.2	
Diurnal oscillation...	2.7	2.6	2.4	2.5	1.9	0.9	0.0	0.4	1.2	2.0	
Diurnal declination .	49' 49" +0°	49' 43"	49' 31"	49' 37"	49' 01"	48' 01"	47' 07"	47' 31"	48' 19"	49' 07"	
$\alpha\left(1+\frac{H}{F}\right)=1' \times 1.000139=1'.000139$. Declinometer No. II.											
Sums	1305.6	1302.3	1296.5	1295.8	1283.9	1254.3	1184.3	1244.8	1265.2	1293.1	
Means of 26 days ...	50.22	50.09	49.87	49.84	49.38	48.24	47.37	47.88	48.66	49.73	
Diurnal changes ...	+0.3	+0.2	0.0	-0.1	-0.5	-1.7	-2.5	-2.0	-1.2	-0.2	
Diurnal oscillation...	2.8	2.7	2.5	2.4	2.0	0.8	0.0	0.5	1.3	2.3	
Diurnal declination .	49' 55" +0°	49' 49"	49' 37"	49' 31"	49' 07"	47' 55"	47' 07"	47' 37"	48' 25"	49' 25"	

Observatory at Batavia.—Hourly observations made during the

$\alpha\left(1+\frac{H}{F}\right)=1' \times 1.000158=1'.000158$. Declinometer No. I.											
Sums	2189.2	2190.6	2192.6	2202.7	2203.6	2178.1	1826.7	2147.6	2148.3	2149.9	
Means of 26 days ...	84.20	84.25	84.33	84.72	84.75	83.77	83.03	82.60	82.63	82.69	
Diurnal changes ...	+0.3	+0.3	+0.4	+0.8	+0.8	-0.1	-0.9	-1.3	-1.3	-1.2	
Diurnal oscillation...	1.6	1.6	1.7	2.1	2.1	1.2	0.4	0.0	0.0	0.1	
Diurnal declination .	43' 19" +0°	48' 19"	48' 25"	48' 49"	48' 49"	47' 55"	47' 07"	46' 43"	46' 43"	46' 49"	

TABLE A.

Month of March, 1847. Latitude $6^{\circ} 09' 52''$ S. Longitude $106^{\circ} 58' 00''$ E. (*Continued.*)

1.	2.	3.	4.	5.	6.	7.	8.	9.	Sums.	Means.	Declin.
Zero from the 1st to the 31st, 48.35. $\alpha=0^{\circ} 47' 07''$ East.											
1388.7	1397.9	1397.5	1397.8	1394.8	1389.6	1387.1	1379.3	1307.8	25806.2	1360.8	$0^{\circ} 49' 13''$
51.43	51.77	51.76	51.77	51.66	51.47	51.37	51.09	50.30	957.64	50.40	
+1.0	+1.4	+1.4	+1.4	+1.3	+1.1	+1.0	+0.7	-0.1			
3.3	3.7	3.7	3.7	3.6	3.4	3.3	3.0	2.2			
50' 13"	50' 37"	50' 37"	50' 37"	50' 31"	50' 19"	50' 13"	49' 55"	49' 07"			

Month of April, 1847. Latitude $6^{\circ} 09' 52''$ S. Longitude $106^{\circ} 58' 00''$ E.

Zero from the 1st to the 30th, 80.26. $\alpha=0^{\circ} 47' 07''$ East.											
2155.4	2166.5	2090.6	2169.4	2165.1	1664.1	1658.6	1651.3	1647.3	38597.1	2144.3	$0^{\circ} 49' 19''$
82.90	83.33	83.62	83.44	83.27	83.21	82.93	82.57	82.37	1567.22	82.47	
+0.4	+0.8	+1.1	+0.9	+0.8	+0.7	+0.4	+0.1	-0.1			
2.6	3.0	3.3	3.1	3.0	2.9	2.6	2.3	2.1			
49' 31"	50' 07"	50' 25"	50' 13"	50' 07"	50' 01"	49' 43"	49' 25"	49' 13"			

Zero from the 1st to the 30th, 47.37. $\alpha=0^{\circ} 47' 07''$ East.

1314.3	1329.5	1287.6	1335.4	1332.8	1024.3	1017.0	1009.4	1002.5	23378.6	1298.8	$0^{\circ} 49' 37''$
50.55	51.13	51.50	51.36	51.26	51.22	50.85	50.47	50.13	949.75	49.95	
+0.6	+1.2	+1.6	+1.5	+1.4	+1.3	+0.9	+0.6	+0.2			
3.1	3.7	4.1	4.0	3.9	3.8	3.4	3.1	2.7			
50' 13"	50' 49"	51' 13"	51' 07"	51' 01"	50' 55"	50' 31"	50' 13"	49' 49"			

Month of May, 1847. Latitude $6^{\circ} 09' 52''$ S. Longitude $106^{\circ} 58' 00''$ E.Zero from the 1st to the 31st, 83.03. $\alpha=0^{\circ} 47' 07''$ East.

2167.2	2188.0	1865.2	2214.4	2208.4	2107.3	2013.7	2003.0	1996.6	40193.1	2181.7	$0^{\circ} 48' 01''$
83.35	84.15	84.78	85.17	84.94	84.29	83.90	83.46	83.19	1594.20	83.91	
-0.6	+0.2	+0.9	+1.3	+1.0	+0.4	0.0	-0.4	-0.7			
0.7	1.5	2.2	2.6	2.3	1.7	1.3	0.9	0.6			
47' 25"	48' 13"	48' 55"	49' 19"	49' 01"	48' 25"	48' 01"	47' 37"	47' 19"			

TABLE A.

Observatory at Batavia.—Hourly observations made during the

Astron. Mean Time of Station. }	15.	16.	17.	18.	19.	20.	21.	22.	23.	0.	
$\alpha\left(1+\frac{H}{F}\right)=1' \times 1.000139=1'.000139$. Declinometer No. II.											
Sums	1318.8	1319.5	1319.3	1327.7	1326.9	1305.1	1089.0	1277.9	1280.0	1289.4	
Means of 26 days ...	50.72	50.75	50.74	51.07	51.03	50.20	49.50	49.15	49.23	49.59	
Diurnal changes ...	0.0	0.0	0.0	+0.4	+0.3	-0.5	-1.2	-1.6	-1.5	-1.1	
Diurnal oscillation...	1.6	1.6	1.6	2.0	1.9	1.1	0.4	0.0	0.1	0.5	
Diurnal declination .	48' 19" +0°	48' 19"	48' 19"	48' 43"	48' 37"	47' 49"	47' 07"	46' 43"	46' 49"	47' 13"	

Observatory at Batavia.—Hourly observations made during the

$\alpha\left(1+\frac{H}{F}\right)=1' \times 1.000158=1'.000158$. Declinometer No. I.											
Sums	2164.8	2167.1	2169.6	2094.5	2110.8	2093.2	1742.3	2063.1	2142.8	2145.2	
Means of 26 days ...	83.26	83.35	83.45	83.78	84.43	83.73	82.97	82.52	82.42	82.51	
Diurnal changes ...	0.0	+0.1	+0.2	+0.5	+1.1	+0.4	-0.3	-0.3	-0.9	-0.8	
Diurnal oscillation...	0.9	1.0	1.1	1.4	2.0	1.3	0.6	0.6	0.0	0.1	
Diurnal declination .	47' 25" +0°	47' 31"	47' 37"	47' 55"	48' 31"	47' 49"	47' 07"	47' 07"	46' 31"	46' 37"	
$\alpha\left(1+\frac{H}{F}\right)=1' \times 1.000139=1'.000139$. Declinometer No. II.											
Sums	1338.9	1342.2	1341.8	1298.3	1311.7	1296.3	1075.0	1273.7	1326.2	1332.4	
Means of 26 days ...	51.50	51.62	51.61	51.93	52.47	51.85	51.19	50.95	51.01	51.25	
Diurnal changes ...	-0.6	-0.5	-0.5	-0.2	+0.4	-0.3	-0.9	-1.2	-1.1	-0.9	
Diurnal oscillation...	0.6	0.7	0.7	1.0	1.6	0.9	0.3	0.0	0.1	0.3	
Diurnal declination .	47' 25" +0°	47' 31"	47' 31"	47' 49"	48' 25"	47' 43"	47' 07"	46' 49"	46' 55"	47' 01"	

Observatory at Cocos Island.—Hourly observations made during the Month of

$\alpha\left(1+\frac{H}{F}\right)=1' \times 1.000305=1'.000305$. Declinometer No. I.											
Sums	2366.0	2370.4	2369.5	2380.2	2368.1	2324.8	2287.9	2277.4	2287.6	2316.2	
Means of 27 days ...	87.63	87.79	87.76	88.16	87.71	86.10	84.74	84.35	84.73	85.79	
Diurnal changes ...	+0.53	+0.69	+0.66	+1.06	+0.61	-1.00	-2.36	-2.75	-2.37	-1.21	
Diurnal oscillation...	3.28	3.44	3.41	3.81	3.36	1.75	0.39	0.00	0.38	1.44	
Diurnal declination .	07' 49" -1°	07' 39"	07' 41"	07' 17"	07' 44"	09' 20"	10' 42"	11' 05"	10' 43"	9' 39"	

TABLE A.

Month of May, 1847. Latitude $6^{\circ} 09' 52''$ S. Longitude $106^{\circ} 58' 00''$ E. (*Continued.*)

1.	2.	3.	4.	5.	6.	7.	8.	9.	Sums.	Means.	Declin.
Zero from the 1st to the 31st, 49.5. $\alpha=0^{\circ} 47' 07''$ East.											
1311.8	1332.5	1147.4	1365.6	1357.8	1287.5	1225.7	1213.6	1205.6	24301.1	1318.6	$0^{\circ} 48' 19''$
50.45	51.25	52.15	52.52	52.22	51.50	51.07	50.57	50.23	963.94	50.73	
-0.3	+0.5	+1.4	+1.8	+1.5	+0.8	+0.4	-0.1	-0.5			
1.3	2.1	3.0	3.4	3.1	2.4	2.0	1.5	1.1			
48' 02"	48' 49"	49' 43"	50' 07"	49' 49"	49' 07"	48' 43"	48' 13"	47' 49"			

Month of June, 1847. Latitude $6^{\circ} 09' 52''$ S. Longitude $106^{\circ} 58' 00''$ E.

Zero from the 1st to the 30th, 32.97. $\alpha=0^{\circ} 47' 07''$ East.											
2152.3	2081.7	1765.2	2104.0	2009.6	1912.3	1741.3	1736.9	1731.3	38128.0	2165.6	
82.78	83.27	84.06	84.16	83.73	83.14	82.92	82.71	82.44	1581.63	83.25	
-0.5	0.0	+0.8	+0.9	+0.4	-0.2	-0.4	-0.6	-0.9			
0.4	0.9	1.7	1.8	1.3	0.7	0.5	0.3	0.0			
46' 55"	47' 25"	48' 13"	48' 19"	47' 49"	47' 13"	47' 01"	46' 49"	46' 31"			

Zero from the 1st to the 30th, 51.19. $\alpha=0^{\circ} 47' 07''$ East.

1347.0	1315.9	1124.6	1344.8	1281.7	1210.6	1101.6	1094.6	1088.3	23845.6	1352.8	$0^{\circ} 48' 01''$
51.81	52.64	53.55	53.79	53.40	52.63	52.46	52.12	51.82	989.60	52.06	
-0.3	+0.5	+1.4	+1.7	+1.3	+0.5	+0.4	0.0	-0.3			
0.9	1.7	2.6	2.9	2.5	1.7	1.6	1.2	0.9			
47' 43"	48' 31"	49' 25"	49' 43"	49' 19"	48' 31"	48' 25"	48' 01"	47' 43"			

August and September, 1848. Latitude $12^{\circ} 05' 38''$ S. Longitude $96^{\circ} 50' 30''$ E.Zero from August the 28th to September the 27th, 84.74. $\alpha=1^{\circ} 10' 42''$ West.

2350.1	2377.8	2392.4	2394.2	2379.4	2364.3	2366.6	2358.3	2352.2	45726.8	2351.6	$1^{\circ} 08' 28''$
87.04	88.07	88.61	88.67	88.13	87.57	87.65	87.34	87.12	1654.96	87.10	
-0.06	+0.97	+1.51	+1.57	+1.03	+0.47	+0.55	+0.24	+0.22			
2.69	3.72	4.26	4.82	3.78	3.22	3.30	2.99	2.97			
08' 24"	07' 22"	06' 50"	06' 46"	07' 19"	07' 52"	07' 47"	08' 06"	08' 07"			

TABLE A.

Observatory at Cocos Island.—Hourly observations made during the Month of August

Astron. Mean Time of Station. }	15.	16.	17.	18.	19.	20.	21.	22.	23.	0.	
$\alpha\left(1+\frac{H}{F}\right)=1'\times 1\cdot000371=1'\cdot000371.$ Declinometer No. II.											
Sums	1243·8	1247·0	1244·7	1255·6	1242·0	1200·2	1127·5	1175·1	1194·9	1229·5	
Means of 27 days ...	46·07	46·19	46·10	46·50	46·00	44·45	43·37	43·52	44·26	45·54	
Diurnal changes ...	0'·00	+ 0'·12	+ 0'·03	+ 0'·43	− 0'·07	− 1'·62	− 2'·70	− 2'·55	− 1'·81	− 0'·53	
Diurnal oscillation...	2'·70	2'·82	2'·73	3'·13	2'·63	1'·08	0'·00	0'·15	0'·89	2'·17	
Diurnal declination .	08' 00'' − 1°	07' 53''	07' 58''	07' 34''	08' 04''	09' 37''	10' 42''	10' 33''	09' 49''	08' 32''	
$\alpha\left(1+\frac{H}{F}\right)1'\cdot0047\times 1\cdot00037=1'\cdot004.$ Declinometer No. III.											
Sums	2652·1	2654·5	2755·9	2766·3	2753·7	2610·4	2679·2	2675·7	2695·3	2731·2	
Means of 27 days ...	102·00	102·10	102·07	102·46	101·99	100·40	99·23	99·10	99·83	101·16	
Diurnal changes ...	+ 0'·01	+ 0'·11	+ 0'·08	+ 0'·47	0'·00	− 1'·59	− 2'·76	− 2'·89	− 2'·16	− 0'·83	
Diurnal oscillation...	2'·90	3'·00	2'·97	3'·36	2'·89	1'·30	0'·13	0'·00	0'·73	2'·06	
Diurnal declination .	07' 56'' − 1°	07' 50''	7' 52''	7' 28''	7' 56''	9' 32''	10' 42''	10' 50''	9' 12''	8' 46''	

TABLE A.

and September, 1848. Latitude $12^{\circ} 05' 38''$ S. Longitude $96^{\circ} 50' 30''$ E. (*Continued.*)

1.	2.	3.	4.	5.	6.	7.	8.	9.	Sums.	Means.	Declin.
Zero from August the 28th to September the 27th, 43.37. $\alpha=1^{\circ} 10' 42''$ West.											
1214.3	1288.0	1298.3	1293.8	1276.5	1254.8	1198.2	1241.2	1232.8	24048.3	1242.6	$1^{\circ} 08' 00''$
46.70	47.70	48.09	47.92	47.28	46.47	46.08	45.97	45.66	873.87	46.07	
+0.63	+1.63	+2.02	+1.85	+1.21	+0.40	+0.01	-0.10	-0.41			
3.33	4.33	4.72	4.55	3.91	3.10	2.71	2.60	2.29			
07' 22"	06' 22"	05' 59"	06' 09"	06' 47"	07' 36"	07' 59"	08' 06"	08' 25"			
Zero from August the 28th to September the 27th, 99.23. $\alpha=1^{\circ} 10' 42''$ West.											
2769.1	2796.3	2811.1	2811.1	2794.6	2773.3	2772.1	2760.7	2752.5	53240.8	2753.4	$1^{\circ} 07' 56''$
102.56	103.57	104.11	104.11	103.50	102.71	102.67	102.25	101.94	1937.76	101.99	
+0.57	+1.58	+2.12	+2.12	+1.51	+0.72	+0.68	+0.26	-0.05			
3.46	4.47	5.01	5.01	4.40	3.61	3.57	3.15	2.84			
7' 22"	6' 22"	5' 49"	5' 49"	6' 26"	7' 13"	7' 16"	7' 41"	7' 59"			

Oscillation of the Horizontal Intensity at various Stations in the Eastern

Astron. Mean Time.	12.	13.	14.	15.	16.	17.	18.	19.	20.	21.	22.
Moulmein	0·00	0·30	0·03	0·55	1·80	5·89	10·19	17·09
Madras	0·28	0·26	0·37	0·56	2·23	5·28	9·73	12·55
Nicobar	2·50	2·86	3·44	4·12	3·28	6·00	9·90	14·46
Samboonga	0·02	0·00	0·10	0·68	2·55	4·49	6·57	9·59
Penang	0·38	0·52	0·00	0·66	1·90	6·40	10·62	13·74
Pulo Dinding	0·00	0·20	0·40	0·85	2·55	5·35	8·45	11·35
Sarawak.....	0·35	0·51	0·70	0·80	0·92	1·10	1·47	2·29	3·67	5·31	6·19
Keemah.....	0·00	0·12	0·21	0·71	2·12	4·35	6·69	8·64
Pulo Peesang.....	3·23	0·20	1·44	3·00	6·02	6·90
Singapore	1·53	1·49	1·33	1·84	2·25	3·63	4·63	5·91
Carimon.....	0·46	1·07	2·47	4·25	6·32	6·65
Bowaya	2·28	3·15	4·81	6·41	8·31	8·48
Padang	1·63	1·56	1·67	2·12	3·11	4·60	6·21	7·56
Bencoolen	1·30	1·30	1·20	1·30	4·67	4·38	6·18	7·66
Batavia, Winter.....	0·51	0·41	0·55	0·33	0·60	0·58	0·76	1·59	2·51	4·18	5·13
Batavia, Spring	0·00	0·18	0·45	0·93	1·88	3·47	4·68	5·78
Cocos.....	0·98	1·37	1·60	1·81	3·34	4·51	5·79	6·53
Singapore, No. II.....	0·81	0·70	0·57	0·93	1·25	3·73	5·60	8·07

Oscillation of the Horizontal Intensity at Batavia,

November .....1846...	0·25	0·07	0·41	0·00	0·14	0·36	0·60	1·56	2·83	4·32	5·16
December	0·88	0·85	0·83	0·67	0·74	0·91	1·08	2·05	3·06	4·18	4·72
January .....1847...	0·45	0·26	0·43	0·55	0·73	0·88	0·97	1·88	2·01	4·59	5·95
February	1·38	1·40	1·43	1·02	0·92	1·11	1·31	1·81	3·06	4·57	5·63
Sums	2·96	2·58	3·10	2·24	2·53	3·26	3·96	7·30	10·96	17·66	21·46
Means	0·74	0·64	0·78	0·56	0·63	0·81	0·99	1·82	2·74	4·41	5·36
Oscillation	0·51	0·41	0·55	0·33	0·60	0·58	0·76	1·59	2·51	4·18	5·13

Oscillation of the Horizontal Intensity at Batavia,

March .....1847...	.....	.....	.....	0·00	0·25	0·34	0·51	1·10	2·88	4·35	5·21
April .....	.....	.....	.....	0·56	0·54	0·60	1·28	2·57	3·95	4·72	6·88
May .....	.....	.....	.....	0·75	0·93	1·15	1·48	2·50	4·20	5·48	6·01
June .....	.....	.....	.....	0·00	0·34	1·03	1·79	2·68	4·17	5·49	6·33
Sums .....	.....	.....	.....	1·31	2·06	3·12	5·06	8·85	15·20	20·04	24·43
Means .....	.....	.....	.....	0·33	0·51	0·78	1·26	2·21	3·80	5·01	6·11
Oscillation .....	.....	.....	.....	0·00	0·18	0·45	0·93	1·88	3·47	4·68	5·78

Oscillation of the Horizontal Intensity at Sarawak

June .....1846...	0·49	0·68	0·78	0·98	0·90	1·03	1·50	2·53	3·84	5·44	6·28
July	0·51	0·84	1·07	1·05	1·12	1·43	1·79	2·58	4·33	5·80	6·89
August	0·55	0·51	0·77	0·88	1·25	1·35	1·64	2·28	3·35	5·21	5·90
Sums	1·55	2·03	2·62	2·91	3·27	3·81	4·93	7·39	11·52	16·45	19·07
Means	0·52	0·68	0·87	0·97	1·09	1·27	1·64	2·46	3·84	5·48	6·36
Oscillation.....	0·35	0·51	0·70	0·80	0·92	1·10	1·47	2·29	3·67	5·31	6·19

Archipelago.—In Scale Divisions. $k=.000240$.

23.	Noon.	1.	2.	3.	4.	5.	6.	7.	8.	9.	10.	11.	Mean.
21.29	23.43	20.59	20.84	18.55	15.76	12.37	8.30	6.67	4.55	3.06	.....	.....	10.06
14.15	14.33	12.49	9.38	7.41	5.64	4.51	2.42	0.97	0.16	0.00	.....	.....	5.41
16.24	16.98	18.20	13.98	8.32	7.06	5.32	3.36	1.48	0.80	0.00	.....	.....	7.49
11.27	12.59	12.44	9.57	6.01	3.53	2.27	2.42	1.45	1.42	1.97	.....	.....	4.68
16.56	12.88	9.70	5.22	3.24	3.84	3.64	3.44	3.10	3.14	3.48	.....	.....	5.39
12.55	11.75	7.75	4.85	3.05	1.35	1.45	2.15	1.20	0.25	1.50	.....	.....	4.05
6.38	5.94	4.81	3.77	2.05	1.26	0.69	0.01	0.18	0.05	0.00	0.06	0.20	2.03
9.65	9.79	8.74	7.83	5.79	3.96	2.72	2.05	2.30	2.26	2.49	.....	.....	4.23
6.06	5.20	3.36	2.04	1.86	2.22	1.12	2.18	2.38	1.48	0.00	.....	.....	2.99
5.80	4.97	3.83	2.94	2.60	1.71	1.33	0.29	0.00	0.27	0.60	.....	.....	2.48
6.36	2.96	2.22	0.90	0.22	0.00	0.27	0.33	0.14	0.04	.....	.....	.....	2.17
7.15	4.94	3.33	2.80	2.00	0.00	0.75	0.80	0.43	0.08	.....	.....	.....	3.60
7.83	7.33	5.96	4.16	2.82	1.50	1.19	1.32	0.61	0.00	0.16	.....	.....	3.23
7.92	7.70	5.70	4.90	3.00	2.36	2.12	1.54	1.14	0.38	0.00	.....	.....	3.46
5.51	5.01	4.20	3.29	2.20	1.24	0.64	0.24	0.12	0.00	0.00	0.27	0.23	1.66
6.27	5.94	4.86	3.22	1.70	0.86	0.34	0.18	0.06	0.13	0.66	.....	.....	2.19
7.32	7.63	6.53	4.78	3.29	2.02	1.21	0.73	0.49	0.02	0.00	.....	.....	3.15
9.33	7.13	5.73	3.85	2.85	2.02	1.34	0.30	0.00	0.02	0.17	.....	.....	2.87

Java, Eastern Archipelago.

5.21	4.81	3.80	3.21	2.20	1.41	0.72	0.40	0.60	0.70	0.46	0.23	0.17	1.66
4.93	4.59	3.47	2.51	1.56	1.04	0.56	0.35	0.18	0.00	0.07	0.45	0.44	1.66
6.54	5.54	5.24	4.32	2.93	1.82	1.24	0.61	0.29	0.22	0.19	0.00	0.11	1.99
6.27	6.01	5.20	4.05	3.02	1.63	0.96	0.53	0.35	0.00	0.21	1.31	1.11	2.26
22.95	20.95	17.71	14.09	9.71	5.90	3.48	1.89	1.42	0.92	0.93	1.99	1.83	7.57
5.74	5.24	4.43	3.52	2.43	1.47	0.87	0.47	0.35	0.23	0.23	0.50	0.46	1.89
5.51	5.01	4.20	3.29	2.20	1.24	0.64	0.24	0.12	0.00	0.00	0.27	0.23	1.66

Java, Eastern Archipelago.

5.76	6.10	5.42	3.96	2.44	1.34	0.75	0.40	0.25	0.05	0.54	.....	.....	2.19
7.52	6.70	5.21	3.25	1.28	0.55	0.29	0.00	0.04	0.38	0.74	.....	.....	2.51
6.61	6.35	4.96	3.34	1.77	0.95	0.22	0.00	0.30	0.29	0.61	.....	.....	2.52
6.50	5.93	5.16	3.67	2.62	1.92	1.42	1.66	0.98	1.14	2.07	.....	.....	2.88
26.39	25.08	20.75	14.22	8.11	4.76	2.68	2.06	1.57	1.86	3.96	.....	.....	10.10
6.60	6.27	5.19	3.55	2.03	1.19	0.67	0.51	0.39	0.46	0.99	.....	.....	2.52
6.27	5.94	4.86	3.22	1.70	0.86	0.34	0.18	0.06	0.13	0.66	.....	.....	2.19

in Borneo, Eastern Archipelago.

6.49	6.00	4.95	3.66	2.28	1.21	0.32	0.02	0.15	0.00	0.03	0.23	0.32	2.09
7.08	6.55	5.06	4.17	2.49	1.51	1.21	0.00	0.20	0.20	0.44	0.45	0.56	2.39
6.08	5.79	4.92	3.98	1.69	1.58	1.06	0.51	0.71	0.47	0.03	0.00	0.22	2.12
19.65	18.34	14.93	11.81	6.66	4.30	2.59	0.53	1.06	0.67	0.50	0.68	1.10	6.60
6.55	6.11	4.98	3.94	2.22	1.43	0.86	0.18	0.35	0.22	0.17	0.23	0.37	2.20
6.38	5.94	4.81	3.77	2.05	1.26	0.69	0.01	0.18	0.05	0.00	0.06	0.20	2.03

Oscillation of the Horizontal Intensity at Padang in Sumatra,

Astron. Mean Time.	12.	13.	14.	15.	16.	17.	18.	19.	20.	21.	22.
October .....1847.....	3·81	3·61	3·28	3·82	4·76	6·76	8·88	11·06
November	1·02	0·89	1·09	1·52	2·88	4·17	5·68	6·28
December	0·00	0·37	0·93	1·17	2·28	3·84	4·53	5·83
January .....1848.....	2·36	2·00	2·04	2·62	3·17	4·26	6·40	7·70
Sums	7·18	6·87	7·34	9·13	13·09	19·03	25·49	30·87
Means	1·79	1·72	1·83	2·28	3·27	4·76	6·37	7·72
Oscillation	1·63	1·56	1·67	2·12	3·11	4·60	6·21	7·56

Oscillation of the Horizontal Intensity at Singapore,

November ...1848.....	.....	.....	.....	2·41	2·28	2·03	2·41	2·36	4·61	5·25	6·48
December .....	.....	.....	.....	0·65	0·71	0·64	1·27	2·14	2·65	4·01	5·35
Means .....	.....	.....	.....	1·53	1·49	1·33	1·84	2·25	3·63	4·63	5·91
Oscillation .....	.....	.....	.....	1·53	1·49	1·33	1·84	2·25	3·63	4·63	5·91

Oscillation of the Horizontal Intensity at Singapore,

November .....1848...	.....	.....	.....	1·95	1·59	1·41	1·81	1·96	5·03	6·55	9·19
December .....	.....	.....	.....	0·00	0·14	0·05	0·38	0·86	2·76	4·98	7·28
Sums .....	.....	.....	.....	1·95	1·73	1·56	2·19	2·82	7·79	11·53	16·47
Means .....	.....	.....	.....	0·97	0·86	0·73	1·09	1·41	3·89	5·76	8·23
Oscillation .....	.....	.....	.....	0·81	0·70	0·57	0·93	1·25	3·73	5·60	8·07

Mean Hourly Oscillation of the Horizontal Intensity

December	0·18	0·35	0·49	0·73	0·75	0·76	1·11	1·91	3·20	4·56	5·70
January	0·34	0·11	0·42	0·36	0·50	0·61	1·12	1·72	2·92	4·30	5·81
February	0·01	0·09	0·29	0·29	0·50	0·59	0·74	1·36	2·75	4·82	6·14
Sums	0·53	0·55	1·20	1·38	1·75	1·96	2·97	4·99	8·87	13·68	17·65
Means	0·18	0·18	0·40	0·46	0·58	0·65	0·99	1·66	2·96	4·56	5·88
Oscillation	0·13	0·13	0·35	0·41	0·53	0·60	0·94	1·61	2·91	4·51	5·83

Mean Hourly Oscillation of the Horizontal Intensity

March	0·23	0·39	0·37	0·45	0·57	0·59	0·61	1·43	3·13	5·07	6·56
April	0·00	0·20	0·48	0·61	0·73	0·82	1·12	2·35	4·28	6·34	8·12
May	0·16	0·21	0·21	0·19	0·31	0·49	1·21	2·32	4·03	5·49	6·52
Sums	0·39	0·80	1·06	1·25	1·61	1·90	2·94	6·10	11·44	16·90	21·20
Means	0·13	0·27	0·35	0·42	0·54	0·63	0·98	2·03	3·81	5·63	7·07
Oscillation	0·07	0·21	0·29	0·36	0·48	0·57	0·92	1·97	3·75	5·57	7·01

Mean Hourly Oscillation of the Horizontal Intensity

June	0·03	0·07	0·17	0·18	0·22	0·35	1·00	2·06	3·46	4·84	5·84
July	0·12	0·22	0·32	0·21	0·49	0·72	1·33	2·37	3·83	5·12	5·94
August	0·19	0·53	0·57	0·57	0·81	0·89	1·52	2·54	4·19	5·43	6·57
Sums	0·34	0·82	1·06	0·96	1·52	1·96	3·85	6·97	11·48	15·39	18·35
Means	0·11	0·27	0·35	0·32	0·51	0·65	1·28	2·32	3·83	5·13	6·12
Oscillation	0·08	0·24	0·32	0·29	0·48	0·62	1·25	2·29	3·80	5·10	6·09

Eastern Archipelago. In Scale Divisions $k=.000240$.

23.	Noon.	1.	2.	3.	4.	5.	6.	7.	8.	9.	10.	11.	Mean.
12.26	11.81	9.68	6.63	4.26	2.12	2.19	3.74	1.61	0.00	0.46	.....	.....	5.31
5.86	5.22	4.16	2.87	2.96	1.22	0.74	0.41	0.19	0.00	0.06	.....	.....	2.48
6.12	5.72	4.65	3.46	2.41	1.64	1.30	0.58	0.60	0.42	0.78	.....	.....	2.45
7.72	7.21	6.00	4.31	2.29	1.65	1.17	1.18	0.68	0.24	0.00	.....	.....	3.32
31.96	29.96	24.49	17.27	11.92	6.63	5.40	5.91	3.08	0.66	1.30	.....	.....	13.56
7.99	7.49	6.12	4.32	2.98	1.66	1.35	1.48	0.77	0.16	0.32	.....	.....	3.39
7.83	7.33	5.96	4.16	2.82	1.50	1.19	1.32	0.61	0.00	0.16	.....	.....	3.23

Eastern Archipelago. Portable Bifilar $k=.000240$.

6.09	4.89	3.76	2.61	2.53	2.16	1.57	0.31	0.00	0.47	0.78	.....	.....	2.79
5.51	5.06	3.90	3.27	2.68	1.27	1.10	0.27	0.00	0.07	0.43	.....	.....	2.17
5.80	4.97	3.83	2.94	2.60	1.71	1.33	0.29	0.00	0.27	0.60	.....	.....	2.48
5.80	4.97	3.83	2.94	2.60	1.71	1.33	0.29	0.00	0.27	0.60	.....	.....	2.48

Eastern Archipelago. Observatory Bifilar $k=.000197$.

9.13	7.45	6.32	4.17	3.35	2.88	2.08	0.60	0.00	0.37	0.66	.....	.....	3.62
7.65	7.14	5.47	3.86	2.67	1.49	0.93	0.32	0.32	0.00	0.00	.....	.....	2.44
16.78	14.59	11.79	8.03	6.02	4.37	3.01	0.92	0.32	0.37	0.66	.....	.....	6.06
8.39	7.29	5.89	4.01	3.01	2.18	1.50	0.46	0.16	0.18	0.33	.....	.....	3.03
9.23	7.13	5.73	3.85	2.85	2.02	1.34	0.30	0.00	0.02	0.17	.....	.....	2.87

in the Winter Months of 1843, 1844, 1845.

5.57	4.83	3.87	2.83	2.00	1.60	1.26	0.69	0.26	0.00	0.02	0.03	0.09	1.79
5.97	5.27	4.11	3.00	2.03	1.66	1.27	0.86	0.50	0.50	0.17	0.12	0.00	1.83
6.64	6.06	4.86	3.68	2.57	1.72	1.50	0.84	0.48	0.23	0.05	0.00	0.10	1.90
18.18	16.16	12.84	9.51	6.60	4.98	4.03	2.39	1.24	0.73	0.24	0.15	0.19	5.52
6.06	5.39	4.28	3.17	2.20	1.66	1.34	0.80	0.41	0.24	0.08	0.05	0.06	1.84
6.01	5.34	4.23	3.12	2.15	1.61	1.29	0.75	0.36	0.19	0.03	0.00	0.01	1.79

in the Spring Months of 1843, 1844, 1845.

7.09	6.71	5.11	3.45	2.21	1.62	1.28	0.80	0.42	0.19	0.05	0.00	0.08	2.03
8.19	7.25	5.65	3.96	2.47	1.76	1.27	0.95	0.69	0.29	0.18	0.24	0.10	2.45
6.72	6.00	4.71	3.56	2.20	1.21	0.72	0.67	0.52	0.41	0.22	0.20	0.00	2.04
22.00	19.96	15.47	10.97	6.88	4.59	3.27	2.42	1.63	0.89	0.45	0.44	0.18	6.52
7.33	6.65	5.16	3.66	2.29	1.53	1.09	0.81	0.54	0.30	0.15	0.15	0.06	2.17
7.27	6.59	5.10	3.60	2.23	1.47	1.03	0.75	0.48	0.24	0.09	0.09	0.00	2.11

in the Summer Months of 1843, 1844, 1845.

6.06	5.56	4.46	3.17	1.71	0.80	0.24	0.19	0.20	0.06	0.02	0.02	0.00	1.70
6.28	5.79	4.76	3.41	2.06	1.21	0.83	0.36	0.37	0.20	0.20	0.08	0.00	1.95
6.56	5.81	4.79	3.31	2.09	1.10	0.67	0.60	0.26	0.30	0.00	0.08	0.08	2.07
18.90	17.16	14.01	9.89	5.86	3.11	1.74	1.15	0.83	0.56	0.22	0.18	0.08	5.72
6.30	5.72	4.67	3.30	1.95	1.04	0.58	0.38	0.28	0.19	0.07	0.06	0.03	1.91
6.27	5.69	4.64	3.27	1.92	1.01	0.55	0.35	0.25	0.16	0.04	0.03	0.00	1.88

Mean Hourly Oscillation of the Horizontal Intensity in the

Astron. Mean Time.	12.	13.	14.	15.	16.	17.	18.	19.	20.	21.	22.
September	0·09	0·39	0·71	0·89	0·94	0·85	1·23	2·44	4·37	5·95	6·80
October	0·28	0·61	0·62	0·87	0·98	0·92	0·99	1·99	3·91	5·83	7·02
December	0·11	0·30	0·41	0·73	0·66	0·69	0·87	1·81	3·36	4·88	5·95
Sums	0·48	1·30	1·74	2·49	2·58	2·46	3·09	6·24	11·64	16·66	19·77
Means	0·16	0·43	0·58	0·83	0·86	0·82	1·03	2·08	3·88	5·55	6·59
Oscillation	0·15	0·42	0·57	0·82	0·85	0·81	1·02	2·07	3·87	5·54	6·58

Mean Hourly Oscillation of the Horizontal Intensity

Winter	0·13	0·13	0·35	0·41	0·53	0·60	0·94	1·61	2·91	4·51	5·83
Spring	0·07	0·21	0·29	0·36	0·48	0·57	0·92	1·97	3·75	5·57	7·01
Summer	0·08	0·24	0·32	0·29	0·48	0·62	1·25	2·29	3·80	5·10	6·09
Autumn	0·15	0·42	0·57	0·82	0·85	0·81	1·02	2·07	3·87	5·54	6·58
Sums	0·43	1·00	1·53	1·88	2·34	2·60	4·13	7·94	14·33	20·72	25·51
Means	0·11	0·25	0·38	0·47	0·58	0·65	1·03	1·98	3·58	5·18	6·38
Oscillation	0·09	0·23	0·36	0·45	0·56	0·63	1·01	1·96	3·56	5·16	6·36

Mean Hourly Oscillation of the Horizontal Intensity

December	0·18	0·35	0·49	0·73	0·75	0·76	1·11	1·91	3·20	4·56	5·70
January	0·34	0·11	0·42	0·36	0·50	0·61	1·12	1·72	2·92	4·30	5·81
February	0·01	0·09	0·29	0·29	0·50	0·59	0·74	1·36	2·75	4·82	6·14
March	0·23	0·39	0·37	0·45	0·57	0·59	0·61	1·43	3·13	5·07	6·56
April	0·00	0·20	0·48	0·61	0·73	0·82	1·12	2·35	4·28	6·34	8·12
May	0·16	0·21	0·21	0·19	0·31	0·49	1·21	2·32	4·03	5·49	6·52
June	0·03	0·07	0·17	0·18	0·22	0·35	1·00	2·06	3·46	4·84	5·84
July	0·12	0·22	0·32	0·21	0·49	0·72	1·33	2·37	3·83	5·12	5·94
August	0·19	0·53	0·57	0·57	0·81	0·89	1·52	2·54	4·19	5·43	6·57
September	0·09	0·39	0·71	0·89	0·94	0·85	1·23	2·44	4·37	5·95	6·80
October	0·28	0·61	0·62	0·87	0·98	0·92	0·99	1·99	3·91	5·83	7·02
November	0·11	0·30	0·41	0·73	0·66	0·69	0·87	1·81	3·36	4·88	5·95
Sums	1·74	3·77	5·06	6·08	7·46	8·28	12·85	24·30	43·43	62·63	76·97
Means	0·14	0·31	0·42	0·51	0·62	0·69	1·07	2·02	3·62	5·22	6·41
Oscillation	0·08	0·25	0·36	0·46	0·56	0·63	1·01	1·96	3·56	5·16	6·35

Mean Oscillation of the Horizontal Intensity at Singapore

1843	0·06	0·22	0·31	0·35	0·49	0·54	0·94	1·90	3·38	4·94	6·17
1844	0·12	0·21	0·40	0·38	0·58	0·62	1·07	1·97	3·51	5·00	6·09
1845	0·13	0·29	0·45	0·53	0·69	0·79	1·10	2·09	3·86	5·60	6·86
Sums	0·31	0·72	1·16	1·26	1·76	1·95	3·11	5·96	10·75	15·54	19·12
Means	0·10	0·24	0·39	0·42	0·59	0·65	1·04	1·99	3·58	5·18	6·37
Oscillation	0·09	0·23	0·38	0·41	0·58	0·64	1·03	1·98	3·57	5·17	6·36

Comparison of Horizontal Intensity in minutes of Arc between the Fixed

Bifilar Portable .....	.....	.....	.....	2'·19	2'·13	1'·90	2'·63	3'·22	5'·19	6'·62	8'·45
Bifilar Fixed .....	.....	.....	.....	0·88	0·75	0·61	1·00	1·35	4·02	6·04	8·70

Autumn Months of 1843, 1844, 1845. In Scale Divisions. $k=000197$.

23.	Noon.	1.	2.	3.	4.	5.	6.	7.	8.	9.	10.	11.	Mean.
6.76	5.53	3.89	2.29	1.76	1.10	0.63	0.52	0.44	0.12	0.04	0.00	0.15	2.00
7.26	6.14	4.42	2.98	2.11	1.78	1.49	0.80	0.46	0.18	0.00	0.01	0.10	2.15
5.88	5.02	4.00	2.83	1.89	1.33	0.90	0.51	0.26	0.11	0.02	0.03	0.00	1.77
19.90	16.69	12.31	8.10	5.76	4.21	3.02	1.83	1.16	0.41	0.06	0.04	0.25	5.92
6.63	5.56	4.10	2.70	1.92	1.40	1.01	0.61	0.39	0.14	0.02	0.01	0.08	1.97
6.62	5.55	4.09	2.69	1.91	1.39	1.00	0.60	0.38	0.13	0.01	0.00	0.07	1.96

in the four Seasons of 1843, 1844, 1845.

6.01	5.34	4.23	3.12	2.15	1.61	1.29	0.75	0.36	0.19	0.03	0.00	0.01	1.79
7.27	6.59	5.10	3.60	2.23	1.47	1.03	0.75	0.48	0.24	0.09	0.09	0.00	2.11
6.27	5.69	4.64	3.27	1.92	1.01	0.55	0.35	0.25	0.16	0.04	0.03	0.00	1.88
6.62	5.55	4.09	2.69	1.91	1.39	1.00	0.60	0.38	0.13	0.01	0.00	0.07	1.96
26.17	23.17	18.06	12.68	8.21	5.48	3.87	2.45	1.47	0.72	0.17	0.12	0.08	7.74
6.54	5.79	4.51	3.17	2.05	1.37	0.97	0.61	0.37	0.18	0.04	0.03	0.02	1.93
6.52	5.77	4.49	3.15	2.03	1.35	0.95	0.59	0.35	0.16	0.02	0.01	0.00	1.91

for each Month of the Years 1843, 1844, 1845.

5.57	4.83	3.87	2.83	2.00	1.60	1.26	0.69	0.26	0.00	0.02	0.03	0.09	1.79
5.97	5.27	4.11	3.00	2.03	1.66	1.27	0.86	0.50	0.50	0.17	0.12	0.00	1.83
6.64	6.06	4.86	3.68	2.57	1.72	1.50	0.84	0.48	0.23	0.05	0.00	0.10	1.90
7.09	6.71	5.11	3.45	2.21	1.62	1.28	0.80	0.42	0.19	0.05	0.00	0.08	2.03
8.19	7.25	5.65	3.96	2.47	1.76	1.27	0.95	0.69	0.29	0.18	0.24	0.10	2.45
6.72	6.00	4.71	3.56	2.20	1.21	0.72	0.67	0.52	0.41	0.22	0.20	0.00	2.04
6.06	5.56	4.46	3.17	1.71	0.80	0.24	0.19	0.20	0.06	0.02	0.02	0.00	1.70
6.28	5.79	4.76	3.41	2.06	1.21	0.83	0.36	0.37	0.20	0.20	0.08	0.00	1.95
6.56	5.81	4.79	3.31	2.09	1.10	0.67	0.60	0.26	0.30	0.00	0.08	0.08	2.07
6.76	5.53	3.89	2.29	1.76	1.10	0.63	0.52	0.44	0.12	0.04	0.00	0.15	2.00
7.26	6.14	4.42	2.98	2.11	1.78	1.49	0.80	0.46	0.18	0.00	0.01	0.10	2.15
5.88	5.02	4.00	2.83	1.89	1.33	0.90	0.51	0.26	0.11	0.02	0.03	0.00	1.77
78.98	69.97	54.63	38.47	25.10	16.89	12.06	7.79	4.86	2.59	0.97	0.81	0.70	23.68
6.58	5.83	4.55	3.21	2.10	1.41	1.01	0.65	0.41	0.22	0.08	0.07	0.06	1.97
6.52	5.76	4.49	3.15	2.04	1.35	0.95	0.59	0.35	0.16	0.02	0.01	0.00	1.91

during the three Years of 1843, 1844, 1845.

6.33	5.59	4.31	2.92	1.88	1.23	0.87	0.55	0.36	0.19	0.02	0.01	0.00	1.81
6.22	5.50	4.29	3.05	1.94	1.31	0.89	0.54	0.31	0.08	0.00	0.02	0.02	1.84
7.02	6.20	4.87	3.48	2.23	1.52	1.10	0.68	0.24	0.24	0.08	0.02	0.00	2.08
19.57	17.29	13.47	9.45	6.05	4.06	2.86	1.77	0.91	0.51	0.10	0.05	0.02	5.73
6.52	5.76	4.49	3.15	2.02	1.35	0.95	0.59	0.30	0.17	0.03	0.02	0.01	1.91
6.51	5.75	4.48	3.14	2.01	1.34	0.94	0.58	0.29	0.16	0.02	0.01	0.00	1.90

Observatory Bifilar and the Portable Bifilar at Singapore, Eastern Archipelago.

8.29	7.11	5.48	4.20	3.72	2.45	1.90	0.41	0.00	0.37	0.86	.....	.....	3.54
8.88	7.69	6.18	4.15	3.07	2.18	1.45	0.32	0.00	0.02	0.18	.....	.....	3.03

TABLE B.

Observatory at Moulmein.—Hourly observations

Astron. Mean Time of Station. }	15.	16.	17.	18.	19.	20.	21.	22.	23.	Noon.	1.	
$k = \cdot 000415987 \times \cot 60^\circ = \cdot 0002402.$ $q = \cdot 0002402.$ Bifilar Magnetometer.												
Sums	352·2	348·8	347·2	343·2	350·1	364·2	361·2	343·7	340·9	348·5	378·4	
Means of 7 days ...	50·31	49·83	49·60	49·03	50·01	52·03	51·60	49·10	48·70	49·79	54·06	
Temp. corrections ...	−0·73	−0·55	−0·05	0·00	−2·23	−8·34	−12·21	−16·61	−20·41	−23·64	−25·07	
Corrected means ...	49·58	49·28	49·55	49·03	47·78	43·69	39·39	32·49	28·29	26·15	28·99	
Oscillations & diffs. .	0·00	0·30	0·03	0·55	1·80	5·89	10·19	17·09	21·29	23·43	20·59	
$\frac{\delta X}{X}$	0·00	·00007	·00001	·00013	·00043	·00141	·00245	·00410	·00511	·00563	·00495	
Thermometer of Bifilar.												
Sums	536·1	534·9	531·4	531·0	547·3	589·4	616·5	647·3	673·9	696·5	706·5	
Means of 7 days ...	76·59	76·41	75·91	75·86	78·19	84·20	88·07	92·47	96·27	99·50	100·93	
Differences & corr. .	−0·73	−0·55	−0·05	0·00	−2·23	−8·34	−12·21	−16·61	−20·41	−23·64	−25·07	

Observatory at Madras.—Hourly observations

$k = \cdot 000415987 \times \cot 60^\circ = \cdot 0002402.$ $q = \cdot 0002402.$ Bifilar Magnetometer.												
Sums	664·2	649·9	631·4	611·8	592·4	601·7	579·6	574 5	602·4	662·9	768·5	
Means of 34 days ...	19·54	19·11	18·57	17·99	17·42	17·70	17·05	16·90	17·72	19·50	22·60	
Temp. corrections ...	−1·27	−0·82	−0·39	0·00	−1·10	−4·43	−8·23	−10·90	−13·32	−15·28	−16·54	
Corrected means ...	18·27	18·29	18·18	17·99	16·32	13·27	8·82	6·00	4·40	4·22	6·06	
Oscillations & diffs. .	0·28	0·26	0·37	0·56	2·23	5·28	9·73	12·55	14·15	14·33	12·49	
$\frac{\delta X}{X}$	·00007	·00006	·00009	·00013	·00053	·00127	·00234	·00301	·00340	·00344	·00300	
Thermometer of Bifilar.												
Sums	2685·9	2670·8	2656·2	2642·7	2680·3	2793·5	2922·6	3013·4	3095·7	3162·5	3205·2	
Means of 34 days ...	79·00	78·55	78·12	77·73	78·83	82·16	'85·96	88·63	91·05	93·01	94·27	
Differences & corr. .	−1·27	−0·82	−0·39	0·00	−1·10	−4·43	−8·23	−10·90	−13·32	−15·28	−16·54	

TABLE B.

made during the Month of April, 1849.

	2.	3.	4.	5.	6.	7.	8.	9.	Sums.	Means.	Temp. Corrs.	Corrected Means.	$\frac{\delta X}{X}$.
X=8.1186. Zero from the 14th to the 21st. Scale Divisions 51.72. Thermometer 80°.0.													
	386.7	390.0	394.0	397.5	375.1	350.4	352.3	354.5	6878.9	362.0			
	55.24	55.71	56.29	56.79	53.59	50.06	50.33	50.64	982.71	51.72	-8.1	43.6	+ ·001946
	-26.50	-24.68	-22.47	-19.58	-12.31	-7.15	-5.30	-4.12					
	28.74	31.03	33.82	37.21	41.28	42.91	45.03	46.52					
	20.84	18.55	15.76	12.37	8.30	6.67	4.55	3.06					
	·00501	·00446	·00379	·00297	·00199	·00160	·00109	·00073					
$\frac{q}{k} = \frac{.0002402}{.0002402} = 1.$													
	716.5	703.8	688.3	668.1	617.2	581.1	568.1	559.8	11713.7	616.9			
	102.36	100.54	98.33	95.44	88.17	83.01	81.16	79.98	1673.39	88.07	-8.1		
	-26.50	-24.68	-22.47	-19.58	-12.31	-7.15	-5.30	-4.12					

made during the Month of August and September, 1849.

X=8.0784. Zero from the 14th to the 21st. Scale Divisions 21.04. Thermometer 80°.													
	862.2	878.7	886.1	842.4	817.2	795.9	792.1	776.7	13590.6	715.2			
	25.36	25.84	26.06	24.78	24.04	23.41	23.30	22.85	399.74	21.04	-5.6	15.44	+ ·001345
	-16.19	-14.70	-13.15	-10.74	-7.91	-5.83	-4.91	-4.30					
	9.17	11.14	12.91	14.04	16.13	17.58	18.39	18.55					
	9.38	7.41	5.64	4.51	2.42	0.97	0.16	0.00					
	·00225	·00178	·00135	·00108	·00058	·00023	·00004	0.00					
$\frac{q}{k} = \frac{.0002402}{.0002402} = 1.$													
	3193.4	3142.5	3089.9	3008.0	2911.8	2841.2	2809.8	2789.0	55314.4	2911.0			
	93.92	92.43	90.88	88.47	85.64	83.56	82.64	82.03	1626.88	85.63	-5.6		
	-16.19	-14.70	-13.15	-10.74	-7.91	-5.83	-4.91	-4.30					

TABLE B.

Observatory at Car Nicobar.—Hourly observations

Astron. Mean Time of Station. }	15.	16.	17.	18.	19.	20.	21.	22.	23.	0.	1.	
$k = \cdot 000415987 \times \cot 60^\circ = \cdot 0002402.$ q Bifilar Magnetometer. $= \cdot 0002402.$												
Sums	458·8	457·9	456·1	454·1	460·3	463·8	462·0	456·5	458·6	457·9	455·4	
Means of 5 days ...	91·76	91·58	91·22	90·82	92·06	92·76	92·40	91·30	91·72	91·58	91·08	
Temp. corrections ...	0·00	−0·18	−0·40	−0·68	−1·08	−4·50	−8·04	−11·50	−13·70	−14·30	−15·02	
Corrected means ...	91·76	91·40	90·82	90·14	90·98	88·26	84·36	79·80	78·02	77·28	76·06	
Oscillations & diffs. .	+2·50	2·86	3·44	4·12	3·28	6·00	9·90	14·46	16·24	16·98	18·20	
$\frac{\delta X}{X}$	·00060	·00069	·00083	·00099	·00079	·00144	·00238	·00347	·00390	·00408	·00437	
Thermometer of Bifilar.												
Sums	365·3	366·2	367·3	368·7	370·7	387·8	405·5	422·8	433·8	436·8	440·4	
Means of 5 days ...	73·06	73·24	73·46	73·74	74·14	77·56	81·10	84·56	86·76	87·36	88·08	
Differences & corrs..	0·00	−0·18	−0·40	−0·68	−1·08	−4·50	−8·04	−11·50	−13·70	−14·30	−15·02	

Observatory at Samboanga.—Hourly observations

$k = \cdot 000415987 \times \cot 60^\circ = \cdot 0002402.$ q Bifilar Magnetometer. $= \cdot 0002402.$												
Sums	787·0	786·0	785·7	781·0	790·9	813·5	817·4	808·1	792·1	792·3	800·4	
Means of 6 days ...	131·17	131·00	130·95	130·17	131·82	135·58	136·23	134·68	132·02	132·05	133·40	
Temp. corrections ...	−0·34	−0·15	−0·20	0·00	−3·52	−9·22	−11·95	−13·42	−12·44	−13·79	−14·99	
Corrected means ...	130·83	130·85	130·75	130·17	128·30	126·36	124·28	121·26	119·58	118·26	118·41	
Oscillations & diffs. .	0·02	0·00	0·10	0·68	2·55	4·49	6·57	9·59	11·27	12·59	12·44	
$\frac{\delta X}{X}$	·00001	0·00	·00002	·00016	·00061	·00108	·00158	·00230	·00271	·00302	·00299	
Thermometer of Bifilar.												
Sums	446·2	445·1	445·4	444·2	465·3	499·5	515·9	524·7	518·8	526·9	534·1	
Means of 6 days ...	74·37	74·18	74·23	74·03	77·55	83·25	85·98	87·45	86·47	87·82	89·02	
Differences & corrs..	−0·34	−0·15	−0·20	0·00	−3·52	−9·22	−11·95	−13·42	−12·44	−13·79	−14·99	

TABLE B.

during the Month of February, 1849.

	2.	3.	4.	5.	6.	7.	8.	9.	Sums.	Means.	Temp. Corrs.	Corrected Means.	$\frac{\delta X}{X}$.
X=8.1555. Zero from the 6th to the 10th. Scale Divisions 94.52. Thermometer 80°.													
	470.6	494.6	500.1	502.9	496.7	493.6	490.7	489.0	8979.6	472.6			
	94.12	98.92	100.02	100.58	99.34	98.72	98.14	97.80	1795.92	94.52	-0.6	93.92	⁺ ·000144
	-13.84	-12.98	-12.82	-11.64	-8.44	-5.94	-4.68	-3.54					
	80.28	85.94	87.20	88.94	90.90	92.78	93.46	94.26					
	13.98	8.32	7.06	5.32	3.36	1.48	0.80	0.00					
	·00336	·00200	·00170	·00128	·00081	·00036	·00019	0.00					
$\frac{q}{h} = \frac{·0002402}{·0002402} = 1.$													
	434.5	430.2	429.4	423.5	407.5	395.0	388.7	383.0	7657.1	403.1			
	86.90	86.04	85.88	84.70	81.50	79.00	77.74	76.60	1531.42	80.60	-0.6		
	-13.84	-12.98	-18.82	-11.64	-8.44	-5.94	-4.68	-3.54					

made during the Month of May, 1848.

X=8.162. Zero from the 25th to the 31st. Scale Divisions 134.62. Thermometer 80°.													
	819.9	836.6	843.4	837.1	822.5	818.7	812.1	801.5	15346.2	807.7			
	136.65	139.43	140.57	139.52	137.08	136.45	135.35	133.58	2557.70	134.62	-2.48	132.14	⁺ ·000596
	-15.37	-14.59	-13.25	-10.94	-8.65	-7.05	-5.92	-4.70					
	121.28	124.84	127.32	128.58	128.43	129.40	129.43	128.88					
	9.57	6.01	3.53	2.27	2.42	1.45	1.42	1.97					
	·00230	·00144	·00085	·00054	·00058	·00035	·00034	·00047					
$\frac{q}{h} = \frac{·0002402}{·0002402} = 1.$													
	536.4	531.7	523.7	509.8	496.1	486.5	479.7	472.4	9402.4	494.9			
	89.40	88.62	87.28	84.97	82.68	81.08	79.95	78.73	1567.06	82.48	-2.48		
	-15.37	-14.59	-13.25	-10.94	-8.65	-7.05	-5.92	-4.70					

TABLE B.

Observatory at Penang.—Hourly observations

Astron. Mean Time of Station. }	15.	16.	17.	18.	19.	20.	21.	22.	23.	0.	1.	
$k = \cdot 000415987 \times \cot 60^\circ = \cdot 0002402.$ q Bifilar Magnetometer. $ = \cdot 0002402.$												
Sums	423·3	421·3	419·1	415·8	414·4	401·2	399·2	401·9	401·0	423·5	433·7	
Means of 5 days ...	84·66	84·26	83·82	83·16	82·88	80·24	79·84	80·38	80·20	84·70	86·74	
Temp. corrections ...	−1·22	−0·96	0·00	0·00	−0·96	−2·82	−6·64	−10·30	−12·94	−13·76	−12·62	
Corrected means ...	83·44	83·30	83·82	83·16	81·92	77·42	73·20	70·08	67·26	70·94	74·12	
Oscillations & diffs. .	0·38	0·52	0·00	0·66	1·90	6·40	10·62	13·74	16·56	12·88	9·70	
$\frac{\delta X}{X}$	·00009	·00012	0·000	·00016	·00046	·00154	·00255	·00330	·00398	·00309	·00233	
Thermometer of Bifilar.												
Sums	381·1	379·8	375·0	375·0	379·8	389·1	408·2	426·5	439·7	443·8	438·1	
Means of 5 days ...	76·22	75·96	75·00	75·00	75·96	77·82	81·64	85·30	87·94	88·76	87·62	
Differences & corrds. .	−1·22	−0·96	0·00	0·00	−0·96	−2·82	−6·64	−10·30	−12·94	−13·76	−12·62	

Observatory at Pulo Dinding.—Hourly observations

$k = \cdot 000415987 \times \cot 60^\circ = \cdot 0002402.$ q Bifilar Magnetometer. $ = \cdot 0002402.$												
Sums	168·4	166·4	165·5	162·9	159·9	161·6	166·3	172·0	177·8	182·3	191·5	
Means of 2 days ...	84·20	83·20	82·75	81·45	79·95	80·80	83·15	86·00	88·90	91·15	95·75	
Temp. corrections ...	−1·90	−1·10	−0·85	0·00	−0·20	−3·85	−9·30	−15·05	−19·15	−20·60	−21·20	
Corrected means ...	82·30	82·10	81·90	81·45	79·75	76·95	73·85	70·95	69·75	70·55	74·55	
Oscillations & diffs. .	0·00	0·20	0·40	0·85	2·55	5·35	8·45	11·35	12·35	11·75	7·75	
$\frac{\delta X}{X}$	0·00	·00005	·00009	·00020	·00061	·00128	·00203	·00273	·00301	·00282	·00186	
Thermometer of Bifilar.												
Sums	150·8	149·2	148·7	147·0	147·4	154·7	165·6	177·1	185·3	188·2	189·4	
Means of 2 days ...	75·40	74·60	74·35	73·50	73·70	77·35	82·80	88·55	92·65	94·10	94·70	
Differences & corrds. .	−1·90	−1·10	−0·85	0·00	−0·20	−3·85	−9·30	−15·05	−19·15	−20·60	−21·20	

TABLE B.

made during the Month of January, 1849.

2.	3.	4.	5.	6.	7.	8.	9.	Sums.	Means.	Temp. Corrs.	Corrected Means.	$\frac{\delta X}{X}$.
X=8.159. Zero from the 22nd to the 26th. Scale Divisions 84.85. Thermometer 80°.												
448.1	461.1	449.5	442.6	435.3	427.9	423.1	418.5	8060.5	424.2			
89.62	92.22	89.90	88.52	87.06	85.58	84.62	83.70	1612.10	84.85	-1.42	83.43	+ 0.00341
-11.02	-11.64	-9.92	-8.34	-6.68	-4.86	-3.94	-3.36					
78.60	80.58	79.98	80.18	80.38	80.72	80.68	80.34					
5.22	3.24	3.84	3.64	3.44	3.10	3.14	3.48					
0.00125	0.00078	0.00092	0.00087	0.00081	0.00074	0.00075	0.00084					
$\frac{g}{k} = \frac{0.0002402}{0.0002402} = 1.$												
430.1	433.2	424.6	416.7	408.4	399.3	394.7	391.8	7734.9	407.2			
86.02	86.64	84.92	83.34	81.68	79.86	78.94	78.36	1546.98	81.42	-1.42		
-11.02	-11.64	-9.92	-8.34	-6.68	-4.86	-3.94	-3.36					

made during the Month of January, 1849.

X=8.117. Zero from the 12th to the 13th. Scale Divisions 87.30. Thermometer 80°.												
193.5	192.4	187.2	181.2	174.3	172.3	172.4	169.5	3317.4	174.6			
96.75	96.20	93.60	90.60	87.15	86.15	86.20	84.75	1658.70	87.30	-2.55	84.75	+ 0.00613
-19.30	-16.95	-12.65	-9.75	-7.00	-5.05	-4.15	-3.95					
77.45	79.25	80.95	80.85	80.15	81.10	82.05	80.80					
4.85	3.05	1.35	1.45	2.15	1.20	0.25	1.50					
0.00116	0.00073	0.00032	0.00035	0.00052	0.00029	0.00006	0.00036					
$\frac{g}{k} = \frac{0.0002402}{0.0002402} = 1.$												
185.6	180.9	172.3	166.5	161.0	157.1	155.3	154.9	3137.0	165.1			
92.80	90.45	86.15	83.25	80.50	78.55	77.65	77.45	1568.50	82.25	-2.55		
-19.30	-16.95	-12.65	-9.75	-7.00	-5.05	-4.15	-3.95					

TABLE B.

Observatory at Keemah.—Hourly observations

Astron. Mean Time of Station. }	15.	16.	17.	18.	19.	20.	21.	22.	23.	0.	1.	
$k = \cdot 000415987 \times \cot 60^\circ = \cdot 0002402.$ $q = \cdot 0002402.$ Bifilar Magnetometer.												
Sums	587·5	583·7	581·3	573·4	578·4	556·5	629·8	636·8	588·6	602·8	644·8	
Means of 10 days ...	58·75	58·37	58·13	57·34	57·84	61·83	62·98	63·68	65·40	66·98	64·48	
Temp. corrections ...	−0·70	−0·44	−0·29	0·00	−1·91	−8·13	−11·62	−14·27	−17·00	−18·72	−15·17	
Corrected means ...	58·05	57·93	57·84	57·34	55·93	53·70	51·36	49·41	48·40	48·26	49·31	
Oscillations & diffs. .	0·00	0·12	0·21	0·71	2·12	4·35	6·69	8·64	9·65	9·79	8·74	
$\frac{\partial X}{X}$	0·00	·00003	·00005	·00017	·00051	·00104	·00161	·00208	·00232	·00235	·00210	
Thermometer of Bifilar.												
Sums	734·6	732·0	730·5	727·6	746·7	728·0	843·8	870·3	807·8	823·3	879·3	
Means of 10 days ...	73·46	73·20	73·05	72·76	74·67	80·89	84·38	87·03	89·76	91·48	87·93	
Differences & corr. .	−0·70	−0·44	−0·29	0·00	−1·91	−8·13	−11·62	−14·27	−17·00	−18·72	−15·17	

Observatory at Sarawak.—Hourly observations

Astron. Mean Time of Station. }	12.	13.	14.	15.	16.	17.	18.	19.	20.	21.	22.	23.	0.	
$k = \cdot 000415987 \times \cot 60^\circ = \cdot 0002402.$ $q = \cdot 0002402.$ Bifilar Magnetometer.														
Sums	2177·1	2166·3	2157·2	2145·2	2139·6	2130·4	2111·7	2085·4	2079·0	2093·8	2133·6	2179·1	2230·5	
Means of 26 days ...	83·73	83·32	82·97	82·51	82·29	81·94	81·22	80·21	79·96	80·53	82·06	83·81	85·79	
Temp. corrections ...	−1·50	−1·28	−1·03	−0·77	−0·47	−0·25	0·00	−0·02	−1·08	−3·25	−5·62	−7·58	−9·07	
Corrected means ...	82·23	82·04	81·94	81·74	81·82	81·69	81·22	80·19	78·88	77·28	76·44	76·23	76·72	
Oscillations & diffs. .	0·49	0·68	0·78	0·98	0·90	1·03	1·50	2·53	3·84	5·44	6·28	6·49	6·00	
$\frac{\partial X}{X}$	·00012	·00016	·00019	·00023	·00022	·00025	·00036	·00061	·00092	·00131	·00151	·00156	·00144	
Thermometer of Bifilar.														
Sums	2012·5	2006·7	2000·2	1993·4	1985·7	1979·9	1973·4	1973·8	2001·6	2057·9	2119·5	2170·4	2209·3	
Means of 26 days ...	77·40	77·18	76·93	76·67	76·37	76·15	75·90	75·92	76·98	79·15	81·52	83·48	84·97	
Differences & corr. .	−1·50	−1·28	−1·03	−0·77	−0·47	−0·25	0·00	−0·02	−1·08	−3·25	−5·62	−7·58	−9·07	

TABLE B.

made during the Months of June and July, 1848.

2.	3.	4.	5.	6.	7.	8.	9.	Sums.	Means.	Temp. Corrs.	Corrected Means.	$\frac{\delta X}{X}$.
X=8.253. Zero from the 21st to the 1st. Scale Divisions 61.86. Thermometer 80°.												
629.2	635.7	646.9	642.7	630.4	615.7	606.6	596.1	11566.9	617.9			
62.92	63.57	64.69	64.27	63.04	61.57	60.66	59.61	1176.11	61.86	-0.74	61.12	⁺ .000178
-12.70	-11.31	-10.60	-8.94	-7.04	-5.82	-4.87	-4.05					
50.22	52.26	54.09	55.33	56.00	55.75	55.79	55.56					
7.83	5.79	3.96	2.72	2.05	2.30	2.26	2.49					
.00188	.00139	.00095	.00065	.00049	.00055	.00054	.00060					
$\frac{q}{k} = \frac{.0002402}{.0002402} = 1.$												
854.6	840.7	833.6	817.0	798.0	785.8	776.3	768.1	15098.0	807.2			
85.46	84.07	83.36	81.70	79.80	78.58	77.63	76.81	1536.02	80.74	-0.74		
-12.70	-11.31	-10.60	-8.94	-7.04	-5.82	-4.87	-4.05					

made during the Month of June, 1846.

1.	2.	3.	4.	5.	6.	7.	8.	9.	10.	11.	Sums.	Means.	Temp. Corrs.	Corr. Means.	$\frac{\delta X}{X}$.
X=8.186. Zero from the 1st to the 30th. Scale Divisions 84.58. Thermometer 80°.															
2275.2	2311.7	2328.6	2331.4	2326.8	2289.7	2249.9	2231.3	2215.4	2200.9	2189.0	52778.8	2199.3			
87.51	88.91	89.56	89.67	89.49	88.07	86.53	85.82	85.21	84.65	84.19	2029.95	84.58	+0.15	84.73	.000036
-9.74	-9.85	-9.12	-8.16	-7.09	-5.37	-3.96	-3.10	-2.52	-2.16	-1.79					
77.77	79.06	80.44	81.51	82.40	82.70	82.57	82.72	82.69	82.49	82.40					
4.95	3.66	2.28	1.21	0.32	0.02	0.15	0.00	0.03	0.23	0.32					
.00119	.00088	.00055	.00029	.00008	.00001	.00004	0.00	.00001	.00005	.00008					
$\frac{q}{k} = \frac{.0002402}{.0002402} = 1.$															
2226.6	2229.5	2210.5	2185.5	2157.8	2113.0	2076.4	2053.9	2038.8	2029.6	2020.0	49825.9	2075.9			
85.64	85.75	85.02	84.06	82.99	81.27	79.86	79.00	78.42	78.06	77.69	1916.38	79.85	+0.15		
-9.74	-9.85	-9.12	-8.16	-7.09	-5.37	-3.96	-3.10	-2.52	-2.16	-1.79					

TABLE B.

Observatory at Sarawak.—Hourly observations

Astron. Mean Time of Station. }	12.	13.	14.	15.	16.	17.	18.	19.	20.	21.	22.	23.	0.	
$\frac{g}{h} = \cdot 000415987 \times \cot 60^\circ = \cdot 0002402.$ $= \cdot 0002402.$ Bifilar Magnetometer.														
Sums	2351·3	2333·3	2318·5	2310·1	2303·6	2293·2	2274·6	2247·7	2223·9	2237·4	2260·5	2302·4	2360·5	
Means of 27 days ...	87·09	86·42	85·87	85·56	85·32	84·93	84·24	83·25	82·37	82·87	83·72	85·27	87·43	
Temp. corrections ...	—1·77	—1·43	—1·11	—0·78	—0·61	—0·53	—0·20	0·00	—0·87	—2·84	—4·78	—6·52	—8·15	
Corrected means ...	85·32	84·99	84·76	84·78	84·71	84·40	84·04	83·25	81·50	80·03	78·94	78·75	79·28	
Oscillations & diffs. .	0·51	0·84	1·07	1·05	1·12	1·43	1·79	2·58	4·33	5·80	6·89	7·08	6·55	
$\frac{\delta X}{X}$	·00012	·00020	·00026	·00025	·00027	·00034	·00043	·00062	·00104	·00139	·00165	·00170	·00157	
Thermometer of Bifilar.														
Sums	2082·4	2073·2	2064·8	2055·8	2051·3	2049·1	2040·2	2034·6	2058·2	2111·3	2163·8	2210·7	2254·8	
Means of 27 days ...	77·13	76·79	76·47	76·14	75·97	75·89	75·56	75·36	76·23	78·20	80·14	81·88	83·51	
Differences & corrs. .	—1·77	—1·43	—1·11	—0·78	—0·61	—0·53	—0·20	0·00	—0·87	—2·84	—4·78	—6·52	—8·15	

Observatory at Sarawak.—Hourly observations

$\frac{h}{g} = \cdot 000415987 \times \cot 60^\circ = \cdot 0002402.$ $= \cdot 0002402.$ Bifilar Magnetometer.														
Sums	1709·9	1705·6	1694·5	1686·8	1676·4	1670·7	1659·8	1645·8	1643·5	1651·3	1681·0	1711·4	1751·0	
Means of 19 days ...	89·99	89·77	89·18	88·78	88·23	87·93	87·36	86·62	86·50	86·91	88·47	90·07	92·16	
Temp. corrections ...	—1·64	—1·38	—1·05	—0·76	—0·58	—0·38	—0·10	0·00	—0·95	—3·22	—5·47	—7·25	—9·05	
Corrected means ...	88·35	88·39	88·13	88·02	87·65	87·55	87·26	86·62	85·55	83·69	83·00	82·82	83·11	
Oscillations & diffs. .	0·55	0·51	0·77	0·88	1·25	1·35	1·64	2·28	3·35	5·21	5·90	6·08	5·79	
$\frac{\delta X}{X}$	·00013	·00012	·00018	·00021	·00030	·00032	·00039	·00055	·00080	·00125	·00142	·00146	·00139	
Thermometer of Bifilar.														
Sums	1455·8	1450·9	1444·6	1439·0	1435·7	1431·8	1426·6	1424·6	1442·6	1485·8	1528·5	1562·4	1596·6	
Means of 19 days ...	76·62	76·36	76·03	75·74	75·56	75·36	75·08	74·98	75·93	78·20	80·45	82·23	84·03	
Differences & corrs. .	—1·64	—1·38	—1·05	—0·76	—0·58	—0·38	—0·10	0·00	—0·95	—3·22	—5·47	—7·25	—9·05	

TABLE B.

made during the Month of July, 1846.

1.	2.	3.	4.	5.	6.	7.	8.	9.	10.	11.	Sums.	Means.	Temp. Corrs.	Corr. Means.	$\frac{\delta X}{X}$.
Zero from the 1st to the 31st. Scale Divisions 87.26. Thermometer 80°.															
2417.5	2454.1	2483.2	2496.5	2479.1	2474.3	2419.6	2398.3	2379.4	2368.6	2355.7	56543.3	2355.7			
89.54	90.89	91.97	92.46	91.82	91.64	89.61	88.83	88.13	87.73	87.25	2094.21	87.26	+0.82	88.08	—
—8.87	—9.23	—8.63	—8.14	—7.20	—5.81	—3.98	—3.20	—2.74	—2.35	—1.98					·000197
80.67	81.66	83.34	84.32	84.62	85.83	85.63	85.63	85.39	85.38	85.27					
5.06	4.17	2.49	1.51	1.21	0.00	0.20	0.20	0.44	0.45	0.56					
·00124	·00100	·00060	·00036	·00029	0.00	·00005	·00005	·00011	·00011	·00013					
$\frac{q}{k} = \frac{·0002402}{·0002402} = 1.$															
2274.2	2284.0	2267.7	2254.4	2229.1	2191.6	2142.3	2121.2	2108.8	2098.1	2088.1	51309.7	2137.9			
84.23	84.59	83.99	83.50	82.56	81.17	79.34	78.56	78.10	77.71	77.34	1900.36	79.18	+0.82		
—8.87	—9.23	—8.63	—8.14	—7.20	—5.81	—3.98	—3.20	—2.74	—2.35	—1.98					

made during the Month of August, 1846.

Zero from the 1st to the 22nd. Scale Divisions 90.83. Thermometer 80°.															
1793.5	1816.0	1831.9	1818.8	1805.8	1789.9	1655.0	1645.5	1645.2	1641.5	1632.0	40963.7	1725.3			
94.39	95.63	76.42	95.73	95.04	94.21	91.94	91.42	91.40	91.19	90.67	2180.01	90.83	+0.91	91.74	—
—10.41	—10.71	—10.21	—8.41	—7.20	—5.85	—3.75	—2.99	—2.53	—2.29	—1.99					·000219
83.98	84.92	86.21	87.32	87.84	88.36	88.19	88.43	88.87	88.90	88.68					
4.92	3.98	1.69	1.58	1.06	0.54	0.71	0.47	0.03	0.00	0.22					
·00118	·00095	·00041	·00038	·00040	·00013	·00017	·00011	·00001	0.00	·00005					
$\frac{q}{k} = \frac{·0002402}{·0002402} = 1.$															
1622.4	1628.1	1618.6	1584.5	1561.5	1535.8	1417.1	1403.5	1395.2	1390.8	1385.4	35667.8	1503.1			
85.39	85.69	85.19	83.39	82.18	80.83	78.73	77.97	77.51	77.27	76.97	1897.69	79.09	+0.91		
—10.41	—10.71	—10.21	—8.41	—7.20	—5.85	—3.75	—2.99	—2.53	—2.29	—1.99					

TABLE B.

Observatory at Pulo Peesang.—Hourly observations

Astron. Mean Time of Station. }	15.	16.	17.	18.	19.	20.	21.	22.	23.	0.	1.
$k = \cdot 000415987 \times \cot 60^\circ = \cdot 0002402.$ g $= \cdot 0002402.$ Bifilar Magnetometer.											
Sums	270·0	340·9	340·4	344·5	351·5	369·6	386·8	389·8	398·1
Means of 5 days	67·50	68·18	68·08	68·90	70·30	73·92	77·36	77·96	79·62
Temp. corrections	—2·35	0·00	—1·14	—3·52	—7·94	—12·44	—15·04	—14·78	—14·60
Corrected means	65·15	68·18	66·94	65·38	62·36	61·48	62·32	63·18	65·02
Oscillations & diffs.	3·23	0·20	1·44	3·00	6·02	6·90	6·06	5·20	3·36
$\frac{\delta X}{X}$	·00078	·00005	·00035	·00072	·00145	·00166	·00146	·00125	·00081
Thermometer of Bifilar.											
Sums	310·9	376·9	382·6	394·5	416·6	439·1	452·1	450·8	449·9
Means of 5 days	77·73	75·38	76·52	78·90	83·32	87·82	90·42	90·16	89·98
Differences & corrs..	—2·35	0·00	—1·14	—3·52	—7·94	—12·44	—15·04	—14·78	—14·60

Observatory at Singapore.—Hourly observations

$k = \cdot 000415987 \times \cot 60^\circ = \cdot 0002402.$ g $= \cdot 0002402.$ Bifilar Magnetometer No. I.											
Sums	1881·6	1880·9	1879·6	1872·1	1899·2	1900·5	1928·7	1942·2	1967·2	1992·3	2002·5
Means of 16 days ...	117·60	117·56	117·48	117·01	118·70	118·78	120·54	121·39	122·95	124·52	125·16
Temp. corrections ...	—0·59	—0·42	—0·09	0·00	—1·64	—3·97	—6·37	—8·45	—9·62	—9·99	—9·50
Corrected means ...	117·01	117·14	117·39	117·01	117·06	114·81	114·17	112·94	113·33	114·53	115·66
Oscillations & diffs. .	2·41	2·28	2·03	2·41	2·36	4·61	5·25	6·48	6·09	4·89	3·76
$\frac{\delta X}{X}$	·00058	·00055	·00049	·00058	·00057	·00111	·00126	·00156	·00146	·00117	·00090
Thermometer of Bifilar No. I.											
Sums	1207·6	1204·9	1199·6	1198·2	1224·4	1261·7	1300·2	1333·5	1352·1	1358·1	1350·2
Means of 16 days ...	75·48	75·31	74·98	74·89	76·53	78·86	81·26	83·34	84·51	84·88	84·39
Differences & corrs..	—0·59	—0·42	—0·09	0·00	—1·64	—3·97	—6·37	—8·45	—9·62	—9·99	—9·50

TABLE B.

Month of January, 1846.

	2.	3.	4.	5.	6.	7.	8.	9.	Sums.	Means.	Temp. Corrs.	Corrected Means.	$\frac{\delta X}{X}$
X=8.092. Zero from the 18th to the 22nd. Scale Divisions 72.18. Thermometer 80°.													
	388.8	373.2	366.2	289.3	345.9	342.5	279.6	211.8	5918.6	360.2			
	77.76	74.64	73.24	72.33	69.18	68.50	69.90	70.60	1292.82	72.18	-2.17	70.01	+ ·000521
	-11.42	-8.12	-7.08	-5.07	-2.98	-2.50	-3.00	-2.22					
	66.34	66.52	66.16	67.26	66.20	66.00	66.90	68.38					
	2.04	1.86	2.22	1.12	2.18	2.38	1.48	0.00					
	·00049	·00045	·00053	·00027	·00052	·00057	·00035	0.000					
$\frac{g}{k} = \frac{·0002402}{·0002402} = 1.$													
	434.0	417.5	412.3	321.8	391.8	389.4	313.5	232.8	6738.3	410.8			
	86.80	83.50	82.46	80.45	78.36	77.88	78.38	77.60	1471.56	82.17	-2.17		
	-11.42	-8.12	-7.08	-5.07	-2.98	-2.50	-3.00	-2.22					

Month of November, 1848.

X=8.115. Zero from the 13th to the 30th. Scale Divisions 121.82. Thermometer 80°.													
	2014.3	2004.5	2001.6	1999.9	1986.7	1975.9	1956.4	1946.0	37032.1	1949.0			
	125.89	125.28	125.10	124.99	124.17	123.49	122.28	121.63	2314.52	121.82	-0.07	121.75	+ ·000017
	-9.08	-8.39	-7.84	-7.14	-5.06	-4.07	-3.33	-2.99					
	116.81	116.89	117.26	117.85	119.11	119.42	118.95	118.64					
	2.81	2.53	2.16	1.57	0.31	0.00	0.47	0.78					
	·00063	·00061	·00052	·00038	·00007	0.00	·00011	·00019					
$\frac{g}{k} = \frac{·0002402}{·0002402} = 1.$													
	1343.5	1332.4	1323.7	1312.5	1279.2	1263.3	1251.5	1246.0	24342.6	1281.1			
	83.97	83.28	82.73	82.03	79.95	78.96	78.22	77.88	1521.45	80.07	-0.07		
	-9.08	-8.39	-7.84	-7.14	-5.06	-4.07	-3.33	-2.99					

TABLE B.

Observatory at Singapore.—Hourly observations

Astron. Mean Time of Station. }	15.	16.	17.	18.	19.	20.	21.	22.	23.	0.	1.	
$k = \cdot 0003136 \times \cot 58^\circ 10' 30'' = \cdot 0001969.$ $q = \cdot 000214.$ Bifilar Magnetometer No. II.												
Sums	513·2	515·3	517·7	509·5	503·1	454·7	435·6	402·3	411·1	442·4	465·5	
Means of 16 days ...	32·08	32·21	32·36	31·84	31·44	28·42	27·23	25·14	25·70	27·65	29·09	
Temp. corrections ...	—0·63	—0·40	—0·37	—0·25	0·00	—0·07	—0·38	—0·93	—1·43	—1·70	—2·01	
Corrected Means ...	31·45	31·81	31·99	31·59	31·44	28·37	26·85	24·21	24·27	25·95	27·08	
Oscillations & diffs. .	1·95	1·59	1·41	1·81	1·96	5·03	6·55	9·19	9·13	7·45	6·32	
$\frac{\delta X}{X}$	·00038	·00031	·00028	·00036	·00039	·00099	·00129	·00181	·00180	·00147	·00124	
Thermometer of Bifilar No. II.												
Sums	1276·6	1273·2	1272·6	1271·0	1267·3	1268·3	1273·0	1281·1	1288·4	1292·4	1297·0	
Means of 16 days ...	79·79	79·58	79·54	79·44	79·21	79·27	79·56	80·07	80·53	80·78	81·06	
Differences	—0·58	—0·37	—0·34	—0·23	0·00	—0·06	—0·35	—0·86	—1·32	—1·57	—1·85	
Corrections	—0·63	—0·40	—0·37	—0·25	0·00	—0·07	—0·38	—0·93	—1·43	—1·70	—2·01	

Observatory at Singapore.—Hourly observations

$k = \cdot 000415987 \times \cot 60^\circ = \cdot 0002402.$ $q = \cdot 0002402.$ Bifilar Magnetometer No. I.												
Sums	1696·8	1690·6	1685·1	1674·8	1685·2	1732·5	1755·5	1755·4	1769·1	1782·7	1795·6	
Means of 14 days ...	121·20	120·76	120·36	119·63	120·37	123·75	125·39	125·39	126·36	127·34	128·26	
Temp. corrections ...	—0·95	—0·57	—0·10	—0·00	—1·61	—5·50	—8·50	—9·84	—10·97	—11·50	—11·26	
Corrected Means ...	120·25	120·19	120·26	119·63	118·76	118·25	116·89	115·55	115·39	115·84	117·00	
Oscillations & diffs. .	0·65	0·71	0·64	1·27	2·14	2·65	4·01	5·35	5·51	5·06	3·90	
$\frac{\delta X}{X}$	·00016	·00017	·00015	·00030	·00051	·00064	·00096	·00128	·00132	·00122	·00094	
Thermometer of Bifilar No. I.												
Sums	1055·4	1050·2	1043·5	1042·2	1064·7	1119·1	1161·1	1179·9	1195·8	1203·2	1199·8	
Means of 14 days ...	75·39	75·01	74·54	74·44	76·05	79·94	82·94	84·28	85·41	85·94	85·70	
Correction & differs. .	—0·95	—0·57	—0·10	0·00	—1·61	—5·50	—8·50	—9·84	—10·97	—11·50	—11·26	

TABLE B.

made during the Month of November, 1848.

2.	3.	4.	5.	6.	7.	8.	9.	Sums.	Means.	Temp. Corrs.	Corrected Means.	$\frac{\delta X}{X}$.
Zero from the 13th to the 30th. Scale Divisions 30·91. Thermometer 80°.												
501·8	513·3	518·4	529·4	549·1	557·6	547·7	535·6	9423·3	496·2			
31·36	32·08	32·40	33·09	34·32	34·85	34·23	33·48	586·76	30·91	—0·24	30·67	+ ·000047
—2·13	—2·03	—1·88	—1·77	—1·52	—1·45	—1·16	—0·74					
29·23	30·05	30·52	31·32	32·80	33·40	33·07	32·74					
4·17	3·35	2·88	2·08	0·60	0·00	0·37	0·66					
·00082	·00066	·00057	·00041	·00012	0·00	·00007	·00013					

$$\frac{q}{k} = \frac{·000214}{·000197} = 1·086.$$

1298·7	1297·2	1295·0	1293·4	1289·8	1288·7	1284·5	1278·3	24386·5	1283·4			
81·17	81·08	80·94	80·84	80·61	80·54	80·28	79·89	1524·18	80·22	—0·22		
—1·96	—1·87	—1·73	—1·63	—1·40	—1·33	—1·07	—0·68					
—2·13	—2·03	—1·88	—1·77	—1·52	—1·45	—1·16	—0·74					

made during the Month of December, 1848.

Zero from the 1st to the 16th. Scale Divisions 124·90. Thermometer 80°.

1792·0	1807·3	1809·0	1788·1	1767·0	1755·1	1746·1	1735·4	33223·3	1748·8			
128·00	129·09	129·21	127·72	126·21	125·36	124·72	123·96	2373·08	124·90	—0·61	124·29	+ ·000146
—10·37	—10·87	—9·58	—7·92	—5·78	—4·46	—3·89	—3·49					
117·63	118·22	119·63	119·80	120·63	120·90	120·83	120·47					
3·27	2·68	1·27	1·10	0·27	0·00	0·07	0·43					
·00078	·00064	·00030	·00026	·00006	0·00	·00002	·00010					

$$\frac{q}{k} = \frac{·0002402}{·0002402} = 1.$$

1187·4	1194·3	1176·3	1153·1	1123·1	1104·6	1096·6	1091·0	21441·3	1128·4			
84·81	85·31	84·02	82·36	80·22	78·90	78·33	77·93	1531·52	80·61	—0·61		
—10·37	—10·87	—9·58	—7·92	—5·78	—4·46	—3·89	—3·49					

TABLE B.

Observatory at Singapore.—Hourly observations

Astron. Mean Time of Station. }	15.	16.	17.	18.	19.	20.	21.	22.	23.	0.	1.	
$k = \cdot 0003136 \times \cot 58^\circ 10' 30'' = \cdot 0001969.$ $q = \cdot 000214.$ Bifilar Magnetometer No. II.												
Sums	387·2	384·8	384·5	376·8	340·5	342·0	317·7	293·5	293·8	306·7	333·1	
Means of 14 days ...	27·66	27·49	27·46	26·91	26·19	24·43	22·69	20·96	20·99	21·91	23·79	
Temp. corrections ...	−0·61	−0·58	−0·46	−0·24	0·00	−0·14	−0·62	−1·19	−1·59	−2·00	−2·21	
Corrected means ...	27·05	26·91	27·00	26·67	26·19	24·29	22·07	19·77	19·40	19·91	21·58	
Oscillations & diffs. .	0·00	0·14	0·05	0·38	0·86	2·76	4·98	7·28	7·65	7·14	5·47	
$\frac{\delta X}{X}$	0·00	·00003	·00001	·00007	·00017	·00054	·00098	·00143	·00151	·00141	·00108	
Thermometer of Bifilar No. II.												
Sums	1110·0	1109·7	1108·2	1105·3	1102·2	1104·1	1110·2	1117·5	1122·6	1128·1	1130·7	
Means of 14 days ...	79·29	79·26	79·16	78·95	78·73	78·86	79·30	79·82	80·19	80·58	80·76	
Differences	−0·56	−0·53	−0·43	−0·22	0·00	−0·13	−0·57	−1·09	−1·46	−1·85	−2·03	
Corrections.....	−0·61	−0·58	−0·46	−0·24	0·00	−0·14	−0·62	−1·19	−1·59	−2·00	−2·21	

Observatory at Carimon Island.—Hourly observations

$k = \cdot 000415987 \times \cot 60^\circ = \cdot 0002402.$ $q = \cdot 0002402.$ Bifilar Magnetometer.												
Sums .....	.....	.....	442·4	525·5	533·9	541·0	548·1	557·5	577·0	597·4	602·3	
Means of 6 days.....	.....	.....	88·48	87·58	88·98	90·17	91·35	92·92	96·17	99·57	100·38	
Temp. corrections ...	.....	.....	−0·29	0·00	−2·80	−5·77	−9·02	−10·92	−13·88	−13·88	−13·95	
Corrected means ...	.....	.....	88·19	87·58	86·18	84·40	82·33	82·00	82·29	85·69	86·43	
Oscillations & diffs. .	.....	.....	0·46	1·07	2·47	4·25	6·32	6·65	6·36	2·96	2·22	
$\frac{\delta X}{X}$ .....	.....	.....	·00011	·00026	·00059	·00102	·00152	·00160	·00153	·00071	·00053	
Thermometer of Bifilar.												
Sums .....	.....	.....	384·2	459·3	476·1	493·9	513·4	524·8	542·6	542·6	543·0	
Means of 6 days ...	.....	.....	76·84	76·55	79·35	82·32	85·57	87·47	90·43	90·43	90·50	
Differences & corrs.	.....	.....	0·29	0·00	−2·80	−5·77	−9·02	−10·92	−13·88	−13·88	−13·95	

TABLE B.

made during the Month of December, 1848.

	2.	3.	4.	5.	6.	7.	8.	9.	Sums.	Means.	Temp. Corrs.	Corrected Means.	$\frac{\delta X}{X}$
Zero from the 1st to the 16th. Scale Divisions 25·9. Thermometer 80°.													
	355·0	372·1	388·6	393·6	397·5	401·5	397·1	393·2	6859·2	362·3			—
	25·36	26·58	27·76	28·11	28·39	28·68	28·36	28·09	491·81	25·88	+0·13	26·01	·000026
	—2·17	—2·20	—2·20	—1·99	—1·66	—1·93	—1·31	—1·04					
	23·19	24·38	25·56	26·12	26·73	26·75	27·05	27·05					
	3·86	2·67	1·49	0·93	0·32	0·32	0·00	0·00					
	·00076	·00052	·00029	·00018	·00006	·00006	0·00	0·00					
$\frac{q}{h} = \frac{·000214}{·000197} = 1·1.$													
	1130·2	1130·7	1130·7	1127·9	1123·7	1121·5	1119·1	1115·7	21248·1	1118·4			
	80·73	80·76	80·76	80·56	80·26	80·11	79·94	79·69	1517·71	79·88	+0·12		
	—2·00	—2·03	—2·03	—1·83	—1·53	—1·78	—1·21	—0·96					
	—2·17	—2·20	—2·20	—1·99	—1·66	—1·93	—1·31	1·04					

made during the Month of January, 1846.

X=8·077. Zero from the 26th to the 31st. Scale Divisions 94·67. Thermometer 80°.													
	611·6	606·9	598·9	584·6	565·0	553·4	548·3	8993·8	568·0				
	101·93	101·15	99·82	97·43	94·17	92·23	91·38	1513·71	94·67	—4·7	90·0	+·001122	
	—14·18	—12·72	—11·17	—9·05	—5·85	—3·72	—2·77						
	87·75	88·43	88·65	88·38	88·32	88·51	88·61						
	0·90	0·22	0·00	0·27	0·33	0·14	0·04						
	·00022	·00005	0·00	·00006	·00008	·00003	·00001						
$\frac{q}{h} = \frac{·0002402}{·0002402} = 1.$													
	544·4	535·6	526·3	513·6	494·4	481·6	475·9	8051·7	508·7				
	90·73	89·27	87·72	85·60	82·40	80·27	79·32	1354·77	84·75				
	—14·18	—12·72	—11·17	—9·05	—5·85	—3·72	—2·77						

TABLE B.

Observatory at Pulo Booaya.—Hourly observations

Astron. Mean Time of Station.	15.	16.	17.	18.	19.	20.	21.	22.	23.	0.	1.	
$k = \cdot 000415987 \times \cot 60^\circ = \cdot 0002402.$ q $= \cdot 0002402.$ Bifilar Magnetometer.												
Sums	237·4	235·5	231·6	233·0	230·3	233·4	239·7	250·7	335·8	
Means of 3 & 4 days	79·13	78·50	77·20	77·67	76·77	77·80	79·90	83·57	83·95	
Temp. corrections	0·00	−0·24	−0·60	−2·67	−3·67	−4·87	−5·64	−7·10	−5·87	
Corrected means	79·13	78·26	76·60	75·00	73·10	72·93	74·26	76·47	78·08	
Oscillations & diffs.	2·28	3·15	4·81	6·41	8·31	8·48	7·15	4·94	3·33	
$\frac{\delta X}{X}$	·00055	·00076	·00116	·00154	·00200	·00204	·00172	·00119	·00080	
Thermometer of Bifilar.												
Sums	240·4	241·1	242·2	248·4	251·4	255·0	257·3	261·7	344·0	
Means of 3 & 4 days	80·13	80·37	80·73	82·80	83·80	85·00	85·77	87·23	86·00	
Differences & corrs...	0·00	−0·24	−0·60	−2·67	−3·67	−4·87	−5·64	−7·10	−5·87	

Observatory at Padang.—Hourly observations

$k = \cdot 000416 \times \cot 60^\circ = \cdot 0002402.$ q $= \cdot 0002402.$ Bifilar Magnetometer.												
Sums	1302·8	1302·6	1304·2	1195·6	1309·3	1340·8	1369·4	1386·2	1390·3	1413·6	1444·0	
Means of 3 & 4 days	100·22	100·20	100·31	99·63	100·72	103·13	105·34	106·63	106·95	108·74	111·08	
Temp. corrections ...	0·58	0·36	0·14	0·00	2·03	6·44	10·77	14·24	15·76	17·10	17·31	
Corrected means ...	99·64	99·84	100·17	99·63	98·69	96·69	94·57	92·39	91·19	91·64	93·77	
Oscillations & diffs.	3·81	3·61	3·28	3·82	4·76	6·76	8·88	11·06	12·26	11·81	9·68	
$\frac{\delta X}{X}$	·00091	·00087	·00079	·00092	·00114	·00162	·00213	·00266	·00294	·00289	·00233	
Thermometer of Bifilar.												
Sums	948·8	945·7	942·9	868·7	967·5	1024·8	1081·1	1126·2	1145·9	1163·4	1166·1	
Means of 13 days ...	72·97	72·75	72·53	72·39	74·42	78·83	83·16	86·63	88·15	89·49	89·70	
Differences & corrs.	0·58	0·36	0·14	0·00	2·03	6·44	10·77	14·24	15·76	17·10	17·31	

TABLE B.

made during the Month of February 1846.

	2.	3.	4.	5.	6.	7.	8.	9.	Sums.	Means.	Temp. Corrs.	Corrected Means.	$\frac{\delta X}{X}$
Zero from the 6th to the 9th. Scale Divisions 81·81. Thermometer 80°.													
	342·7	350·1	351·9	341·0	331·3	331·0	247·2	.....	4522·6	330·1			
	85·68	87·53	87·98	85·25	82·83	82·75	82·40	.....	1308·91	81·81	—4·01	77·80	+ ·000963
	—7·07	—8·12	—6·57	—4·59	—2·22	—1·77	—1·07	.....				
	78·61	79·41	81·41	80·66	80·61	80·98	81·33	.....				
	2·80	2·00	0·00	0·75	0·80	0·43	0·08	.. ...				
	·00067	·00048	0·00	·00018	·00019	·00010	·00002	.....				

$\frac{g}{k} = \frac{·0002402}{·0002402} = 1.$

	348·8	353·0	346·8	338·9	329·4	327·6	162·4	.....	.....	4548·4	337·6		
	87·20	88·25	86·70	84·72	82·35	81·90	81·20	.....	.....	1344·15	84·01	—4·01	
	—7·07	—8·12	—6·57	—4·59	—2·22	—1·77	—1·07	.....	.....		

made during the Month of October, 1847.

X=7·962. Zero from the 16th to the 31st. Scale Divisions 106·42. Thermometer 80°.													
	1476·8	1473·1	1482·8	1444·3	138·50	1389·2	1393·7	1376·4	26180·1	1383·5			
	113·60	113·32	114·06	111·10	106·54	106·86	107·21	105·88	2021·52	106·42	—0·72	105·70	+ ·000173
	16·78	14·13	12·73	9·84	6·83	5·02	3·76	2·89					
	96·82	99·19	101·33	101·26	99·71	101·84	103·45	102·99					
	6·63	4·26	2·12	2·19	3·74	1·61	0·00	0·46					
	·00159	·00102	·00051	·00053	·00090	·00039	0·00	·00011					

$\frac{g}{k} = \frac{·0002402}{·0002402} = 1.$

	1159·2	1137·8	1106·5	1069·0	1029·8	1006·3	989·9	978·7	19858·3	1049·3			
	89·17	87·52	85·12	82·23	79·22	77·41	76·15	75·28	1533·12	80·72			
	16·78	14·13	12·73	9·84	6·83	5·02	3·76	2·89					

TABLE B.

Observatory at Padang.—Hourly observations

Astron. Mean Time of Station. }	15.	16.	17.	18.	19.	20.	21.	22.	23.	0.	1.	
<div><div>$k = \cdot 000416 \times \cot 60^{\circ} = \cdot 0002402.$ q</div><div>Bifilar Magnetometer. $= \cdot 0002402.$</div></div>												
Sums	2525·1	2624·7	2516·4	2608·9	2629·1	2705·4	2785·3	2825·2	2891·2	2941·9	2975·4	
Means of 26 days ...	101·00	100·95	100·66	100·34	101·12	104·05	107·13	108·66	111·20	113·15	114·44	
Temp. corrections ...	0·27	0·09	0·00	0·11	2·25	6·47	11·06	13·19	15·31	16·62	16·85	
Corrected means ...	100·73	100·86	100·66	100·23	98·87	97·58	96·07	95·47	95·89	96·53	97·59	
Oscillations & diffs.	1·02	0·89	1·09	1·52	2·88	4·17	5·68	6·28	5·86	5·22	4·16	
$\frac{\delta X}{X}$	·00024	·00021	·00026	·00036	·00069	·00100	·00136	·00151	·00141	·00125	·00100	
Thermometer of Bifilar.												
Sums	1828·5	1897·0	1821·7	1897·4	1953·1	2062·8	2182·2	2237·6	2292·7	2326·7	2332·7	
Means of 26 days ...	73·14	72·96	72·87	72·98	75·12	79·34	83·93	86·06	88·18	89·49	89·72	
Differences & corrs..	0·27	0·09	0·00	0·11	2·25	6·47	11·06	13·19	15·31	16·62	16·85	

Observatory at Padang.—Hourly observations

<div><div>$k = \cdot 000415987 \times \cot 60^{\circ} = \cdot 0002402.$ q</div><div>Bifilar Magnetometer. $= \cdot 0002402.$</div></div>												
Sums	2814·5	2794·7	2774·5	2768·6	2766·1	2821·2	2927·7	2994·3	3045·4	3116·6	3162·0	
Means of 26 days ...	108·25	107·49	106·71	106·48	106·39	108·51	112·60	115·17	117·13	119·87	121·62	
Temp. corrections ...	0·61	0·22	0·00	0·01	1·03	4·71	9·49	13·36	15·61	17·95	18·63	
Corrected means ...	107·64	107·27	106·71	106·47	105·36	103·80	103·11	101·81	101·52	101·92	102·99	
Oscillations & diffs.	0·00	0·37	0·93	1·17	2·28	3·84	4·53	5·83	6·12	5·72	4·65	
$\frac{\delta X}{X}$	·000	·00009	·00022	·00028	·00055	·00092	·00109	·00140	·00147	·00137	·00112	
Thermometer of Bifilar.												
Sums	1914·9	1904·8	1899·1	1899·2	1925·9	2021·6	2145·8	2246·3	2304·8	2365·7	2383·5	
Means of 26 days ...	73·65	73·26	73·04	73·05	74·07	77·75	82·53	86·40	88·65	90·99	91·67	
Differences & corrs..	0·61	0·22	0·00	0·01	1·03	4·71	9·49	13·36	15·61	17·95	18·63	

TABLE B.

made during the Month of November, 1847.

2.	3.	4.	5.	6.	7.	8.	9.	Sums.	Means.	Temp. Corrs.	Corrected Means.	$\frac{\delta X}{X}$.
Zero from the 1st to the 30th. Scale Divisions 107.32. Thermometer 80°.												
2977.4	2935.2	2927.8	2877.8	2811.4	2774.6	2747.5	2721.0	52801.3	2790.0			
114.52	112.89	112.61	110.68	108.13	106.72	105.67	104.65	2038.57	107.32	-0.93	106.39	+ .000223
15.64	14.10	12.08	9.67	6.79	5.16	3.92	2.96					
98.88	98.79	100.53	101.01	101.34	101.56	101.75	101.69					
2.87	2.96	1.22	0.74	0.41	0.19	0.00	0.06					
.00069	.00071	.00029	.00018	.00010	.00004	.0000	.0000					
$\frac{q}{k} = \frac{.0002402}{.0002402} = 1.$												
2301.3	2261.3	2208.8	2146.1	2071.2	2028.9	1996.7	1971.6	39818.3	2104.1			
88.51	86.97	84.95	82.54	79.66	78.03	76.79	75.83	1537.07	80.93	-0.93		
15.64	14.10	12.08	9.67	6.79	5.16	3.92	2.96					

made during the Month of December, 1847.

Zero from the 16th to the 31st, 113.24. Thermometer 80°.												
3162.7	3128.9	3070.3	3021.5	2958.6	2898.9	2875.2	2839.6	55941.3	2944.2			
121.64	120.34	118.09	116.21	113.79	111.50	110.58	109.22	2151.59	113.24	-1.10	112.14	+ .000264
17.46	15.09	12.09	9.87	6.73	4.46	3.36	2.36					
104.18	105.25	106.00	106.34	107.06	107.04	107.22	106.86					
3.46	2.41	1.64	1.30	0.58	0.60	0.42	0.78					
.00085	.00058	.00039	.00031	.00014	.00014	.00010	.00019					
$\frac{q}{k} = \frac{.0002402}{.0002402} = 1.$												
2353.0	2291.5	2213.5	2155.7	2074.1	2015.1	1986.5	1960.3	40061.3	2108.4			
90.50	88.13	85.13	82.91	79.77	77.50	76.40	75.40	1540.80	81.10	-1.10		
17.46	15.09	12.09	9.87	6.73	4.46	3.36	2.36					

TABLE B.

Observatory at Padang.—Hourly observations

Astron. Mean Time of Station. }	15.	16.	17.	18.	19.	20.	21.	22.	23.	0.	1.	
$k = \cdot 00015987 \times \cot 60^{\circ} = \cdot 0002402.$ $q \qquad \qquad \qquad = \cdot 0002402.$ Bifilar Magnetometer.												
Sums	1667·1	1668·8	1665·0	1656·4	1659·9	1693·8	1726·2	1751·1	1780·8	1808·1	1849·4	
Means of 13 days ...	128·24	128·37	128·08	127·42	127·68	130·29	132·78	134·70	136·98	139·08	142·26	
Temp. corrections ...	0·55	0·33	0·08	0·00	0·81	4·51	9·14	12·36	14·66	16·25	18·22	
Corrected means ...	127·69	128·04	128·00	127·42	126·87	125·78	123·64	122·34	122·32	122·83	124·04	
Oscillations & diffs. .	2·35	2·00	2·04	2·62	3·17	4·26	6·40	7·70	7·72	7·21	6·00	
$\frac{\delta X}{X}$	·00056	·00048	·00049	·00063	·00076	·00102	·00154	·00185	·00185	·00173	·00144	
Thermometer of Bifilar.												
Sums	957·8	955·0	951·7	950·7	961·2	1009·3	1069·5	1111·4	1141·3	1162·0	1187·5	
Means of 13 days ...	73·68	73·46	73·21	73·13	73·94	77·64	82·27	85·49	87·79	89·38	91·35	
Differences & corr. .	0·55	0·33	0·08	0·00	0·81	4·51	9·14	12·36	14·66	16·25	18·22	

Observatory at Bencoolen.—Hourly observations

$k = \cdot 000415987 \times \cot 60^{\circ} = \cdot 0002402.$ $q \qquad \qquad \qquad = \cdot 0002402.$ Bifilar Magnetometer.												
Sums	395·8	394·8	394·4	393·7	232·2	403·8	410·7	417·8	422·3	428·1	435·6	
Means of 5 days ...	79·16	78·96	78·88	78·74	77·40	80·76	82·14	83·56	84·46	85·62	87·12	
Temp. corrections ...	−0·42	−0·22	−0·04	0·00	−2·03	−5·10	−8·28	−11·18	−12·34	−13·28	−12·78	
Corrected means ...	78·74	78·74	78·84	78·74	75·37	75·66	73·86	72·38	72·12	72·34	74·34	
Oscillations & diffs. .	1·30	1·30	1·20	1·30	4·67	4·38	6·18	7·66	7·92	7·70	5·70	
$\frac{\delta X}{X}$	·00031	·00031	·00029	·00031	·00112	·00105	·00148	·00183	·00190	·00185	·00137	
Thermometer of Bifilar.												
Sums	367·3	366·3	365·4	365·2	225·2	390·7	406·6	421·1	426·9	431·6	429·1	
Means of 5 days ...	73·46	73·26	73·08	73·04	75·07	78·14	81·32	84·22	85·38	86·32	85·82	
Differences & corr. .	−0·42	−0·22	−0·04	0·00	−2·03	−5·10	−8·28	−11·18	−12·34	−13·28	−12·78	

TABLE B.

made during the Month of January, 1848.

2.	3.	4.	5.	6.	7.	8.	9.	Sums.	Means.	Temp. Corrs.	Corrected Means.	$\frac{\delta X}{X}$.
X=7.9456. Zero from the 16th to the 31st. Scale Divisions 134.80. Thermometer 80°.												
1861.6	1858.8	1841.4	1817.5	1776.0	1751.2	1736.1	1727.7	33296.9	1752.6			
143.20	142.98	141.65	139.81	136.62	134.71	133.55	132.90	2561.30	134.80	-1.21	133.59	+ ·000291
17.47	15.23	13.26	10.94	7.76	5.35	3.75	2.86					
125.73	127.75	128.39	128.87	128.86	129.36	129.80	130.04					
4.31	2.29	1.65	1.17	1.18	0.68	0.24	0.00					
·00103	·00055	·00040	·00028	·00028	·00016	·00006	0.00					
$\frac{q}{k} = \frac{·0002402}{·0002402} = 1.$												
1177.8	1148.7	1123.1	1092.9	1051.6	1020.2	999.4	987.9	20659.0	1055.9			
90.60	88.36	86.39	84.07	80.89	78.48	76.88	75.99	1543.00	81.21			
17.47	15.23	13.26	10.94	7.76	5.35	3.75	2.86					

made during the Months of August and September, 1847.

Zero from the 31st to the 4th. Scale Divisions 83.08. Thermometer 80°.												
429.8	431.0	436.7	431.0	422.8	417.8	414.9	413.3	7726.5	415.7			
85.96	86.20	87.34	86.20	84.56	83.56	82.98	82.66	1576.26	83.08	+0.54	83.62	- ·000130
-10.82	-9.16	-9.66	-8.28	-6.06	-4.66	-3.32	-2.62					
75.14	77.04	77.68	77.92	78.50	78.90	79.66	80.04					
4.90	3.00	2.36	2.12	1.54	1.14	0.38	0.00					
·00118	·00072	·00057	·00075	·00037	·00027	·00009	0.00					
$\frac{q}{k} = \frac{·0002402}{·0002402} = 1.$												
419.3	411.0	413.5	406.6	395.5	388.5	381.8	378.3	7389.9	397.3			
83.86	82.20	82.70	81.32	79.10	77.70	76.36	75.66	1508.01	79.46	+0.54		
-10.82	-9.16	-9.66	-8.28	-6.06	-4.66	-3.32	-2.62					

TABLE B.

Observatory at Batavia.—Hourly observations

Astron. Mean Time of Station. }	12.	13.	14.	15.	16.	17.	18.	19.	20.	21.	22.	23.	0.	
<div><div>$k = \cdot 000415987 \times \cot 60^{\circ} = \cdot 0002402.$ $q = \cdot 0002402.$</div><div>Bifilar Magnetometer.</div></div>														
Sums	1544·3	1625·1	1612·0	1611·9	1605·8	1598·7	1587·5	1596·4	1619·1	1635·2	1658·3	1688·8	1713·3	
Means of 19 days ...	85·79	85·53	84·84	84·84	84·52	84·14	83·55	84·02	85·22	86·06	87·28	88·88	90·17	
Temp. corrections ...	−1·89	−1·45	−1·10	−0·69	−0·51	−0·35	0·00	−1·43	−3·90	−6·23	−8·29	−9·94	−10·83	
Corrected means ...	83·90	84·08	83·74	84·15	84·01	83·79	83·55	82·59	81·32	79·83	78·99	78·94	79·34	
Oscillations & diffs.	0·25	0·07	0·41	0·00	0·14	0·36	0·60	1·56	2·83	4·32	5·16	5·21	4·81	
$\frac{\delta X}{X}$	·00006	·00002	·00009	0·00	·00003	·00009	·00014	·00037	·00068	·00104	·00124	·00125	·00115	
Thermometer of Bifilar.														
Sums	1392·9	1461·9	1455·2	1447·4	1444·0	1440·9	1434·4	1461·4	1508·5	1552·7	1591·9	1623·2	1640·0	
Means of 19 days ...	77·38	76·94	76·59	76·18	76·00	75·84	75·49	76·92	79·39	81·72	83·78	85·43	86·32	
Differences & corrs...	−1·89	−1·45	−1·10	−0·69	−0·51	−0·35	0·00	−1·43	−3·90	−6·23	−8·29	−9·94	−10·83	

Observatory at Batavia.—Hourly observations

<div><div>$k = \cdot 000415987 \times \cot 60^{\circ} = \cdot 0002402.$ $q = \cdot 0002402.$</div><div>Bifilar Magnetometer.</div></div>														
Sums	2159·8	2152·7	2145·5	2227·6	2218·2	2210·0	2202·2	2202·1	1636·8	1490·1	1520·7	1536·3	2350·0	
Means of 25 days ...	86·39	86·11	85·82	85·68	85·32	85·00	84·70	84·70	86·15	87·65	89·45	90·37	90·38	
Temp. corrections ...	−1·49	−1·18	−0·87	−0·57	−0·28	−0·13	0·00	−0·97	−3·43	−6·05	−8·39	−9·52	−9·19	
Corrected means ...	84·90	84·93	84·95	85·11	85·04	84·87	84·70	83·73	82·72	81·60	81·06	80·85	81·19	
Oscillations & diffs.	0·88	0·85	0·83	0·67	0·74	0·91	1·08	2·05	3·06	4·18	4·72	4·93	4·59	
$\frac{\delta X}{X}$	·00021	·00020	·00020	·00016	·00018	·00022	·00026	·00049	·00073	·00100	·00113	·00120	·00110	
Thermometer of Bifilar.														
Sums	1927·1	1919·3	1911·6	1980·2	1972·7	1968·7	1965·3	1990·5	1501·4	1387·9	1427·7	1446·9	2204·4	
Mean of 25 days ...	77·08	76·77	76·46	76·16	75·87	75·72	75·59	76·56	79·02	81·64	83·98	85·11	84·78	
Differences & corrs...	−1·49	−1·18	−0·87	−0·57	−0·28	−0·13	0·00	−0·97	−3·43	−6·05	−8·39	−9·52	−9·19	

TABLE B.

made during the Month of November, 1846.

1.	2.	3.	4.	5.	6.	7.	8.	9.	10.	11.	Sums.	Means.	Temp. Corrs.	Corr. Means.	$\frac{\delta X}{X}$
Zero from the 9th to the 30th. Scale Divisions 87.33. Thermometer 80°.															
1729.1	1739.1	1741.1	1736.1	1721.8	1696.6	1674.3	1658.0	1650.7	1647.8	1642.3	39733.3	1659.0			
91.00	91.53	91.64	91.37	90.62	89.29	88.12	87.26	86.88	86.73	86.44	2095.72	87.33	-0.32	87.01	+
-10.65	-10.59	-9.69	-8.63	-7.19	-5.54	-4.57	-3.81	-3.19	-2.81	-2.46					
80.35	80.94	81.95	82.74	83.43	83.75	83.55	83.45	83.69	83.92	83.98					
3.80	3.21	2.20	1.41	0.72	0.40	0.60	0.70	0.46	0.23	0.17					
.00091	.00077	.00053	.00034	.00017	.00009	.00014	.00017	.00011	.00005	.00004					
$\frac{q}{k} = \frac{.0002402}{.0002402} = 1.$															
1636.7	1635.5	1618.5	1598.2	1570.9	1539.6	1521.2	1506.7	1495.0	1487.7	1481.1	36545.5	1525.8			
86.14	86.08	85.18	84.12	82.68	81.03	80.06	79.30	78.68	78.30	77.95	1927.50	80.32	-0.32		
-10.65	-10.59	-9.69	-8.63	-7.19	-5.54	-4.57	-3.81	-3.19	-2.81	-2.46					

made during the Month of December, 1846.

Zero from the 1st to the 31st. Scale Divisions 88.44. Thermometer 80°.															
2387.3	2409.7	2420.5	2415.8	2384.5	2254.8	2237.1	1690.4	1326.8	1316.0	1308.2	48203.1	2299.2			
91.82	92.68	93.10	92.92	91.71	90.19	89.48	88.97	88.45	87.73	87.21	2121.98	88.44	+0.12	88.56	-
-9.51	-9.41	-8.88	-8.18	-6.49	-4.76	-3.88	-3.19	-2.74	-2.40	-1.87					
82.31	83.27	84.22	84.74	85.22	85.43	85.60	85.78	85.71	85.33	85.34					
3.47	2.51	1.56	1.04	0.56	0.35	0.18	0.00	0.07	0.45	0.44					
.00083	.00060	.00037	.00025	.00013	.00008	.00004	0.00	.00002	.00011	.00011					
$\frac{q}{k} = \frac{.0002402}{.0002402} = 1.$															
2212.7	2209.9	2196.1	2178.1	2134.1	2008.8	1986.7	1496.8	1174.9	1169.9	1161.9	43533.6	2075.8			
85.10	85.00	84.47	83.77	82.08	80.35	79.47	78.78	78.33	77.99	77.46	1917.54	79.88	+0.12		
-9.51	-9.41	-8.88	-8.18	-6.49	-4.76	-3.88	-3.19	-2.74	-2.40	-1.87					

TABLE B.

Observatory at Batavia.—Hourly observations

Astron. Mean Time of Station. }	12.	13.	14.	15.	16.	17.	18.	19.	20.	21.	22.	23.	0.
$k = \cdot 000415987 \times \cot 60^\circ = \cdot 0002402.$ $q = \cdot 0002402.$ Bifilar Magnetometer.													
Sums	1657·2	1651·3	1637·4	2254·8	2242·8	2230·7	2221·1	2218·7	2237·1	2251·1	2259·7	2278·2	2316·3
Means of 25 days ...	92·07	91·74	90·97	90·19	89·71	89·23	88·84	88·75	89·48	90·04	90·39	91·13	92·65
Temp. corrections ...	−2·71	−2·19	−1·59	−0·93	−0·63	−0·30	0·00	−0·82	−1·68	−4·82	−6·53	−7·86	−8·38
Corrected means ...	89·36	89·55	89·38	89·26	89·08	88·93	88·84	87·93	87·80	85·22	83·86	83·27	84·27
Oscillations & diffs. .	0·45	0·26	0·43	0·55	0·73	0·88	0·97	1·88	2·01	4·59	5·95	6·54	5·54
$\frac{\delta X}{X}$	·00011	·00006	·00010	·00013	·00017	·00021	·00023	·00045	·00048	·00088	·00143	·00157	·00133
Thermometer of Bifilar.													
Sums	1398·8	1389·4	1378·6	1898·3	1890·7	1882·5	1874·9	1895·5	1942·0	1995·4	2038·3	2071·5	2097·1
Means of 25 days ...	77·71	77·19	76·59	75·93	75·63	75·30	75·00	75·82	77·68	79·82	81·53	82·86	83·88
Differences & corrs..	−2·71	−2·19	−1·59	0·93	0·63	0·30	0·00	0·82	1·68	4·82	6·53	7·86	8·38

Observatory at Batavia.—Hourly observations

$k = \cdot 000415987 \times \cot 60^\circ = \cdot 0002402.$ $q = \cdot 0002402.$ Bifilar Magnetometer.													
Sums	1539·0	1535·8	1531·2	2297·9	2295·9	2287·6	2278·3	2274·9	2276·1	2291·4	2306·2	2323·4	2355·2
Means of 24 days ...	96·19	95·99	95·70	95·75	95·66	95·32	94·93	94·79	94·84	95·48	96·09	96·81	98·13
Temp. corrections ...	−1·33	−1·15	−0·89	−0·53	−0·34	−0·19	0·00	−0·36	−1·66	−3·81	−5·48	−6·84	−7·90
Corrected means ...	94·86	94·84	94·81	95·22	95·32	95·13	94·93	94·43	93·18	91·67	90·61	89·97	90·23
Oscillations & diffs. .	1·38	1·40	1·43	1·02	0·92	1·11	1·31	1·81	3·06	4·57	5·63	6·27	6·01
$\frac{\delta X}{X}$	·00033	·00034	·00034	·00024	·00022	·00027	·00031	·00043	·00073	·00110	·00135	·00151	·00144
Thermometer of Bifilar.													
Sums	1235·5	1232·7	1228·5	1834·0	1829·4	1826·0	1821·4	1830·0	1861·2	1912·8	1952·8	1985·5	2011·0
Means of 24 days ...	77·22	77·04	76·78	76·42	76·23	76·08	75·89	76·25	77·55	79·70	81·37	82·73	83·79
Differences & corrs..	−1·33	−1·15	−0·89	−0·53	−0·34	−0·19	0·00	−0·36	−1·66	−3·81	−5·48	−6·84	−7·90

TABLE B.

made during the Month of January, 1847.

1.	2.	3.	4.	5.	6.	7.	8.	9.	10.	11.	Sums.	Means.	Temp. Corrs.	Corrected Means.	$\frac{\delta X}{X}$.
Zero from the 1st to the 30th. Scale Divisions 92·64. Thermometer 80°.															
2359·4	2386·6	2419·9	2436·7	2432·0	2409·9	2378·8	1892·5	1696·5	1686·4	1675·3	51230·4	2313·9			+ ·000010
94·38	95·46	96·80	97·47	97·28	96·40	95·15	94·63	94·25	93·69	93·07	2223·77	92·64	—0·04	92·60	
—9·81	—9·97	—9·92	—9·48	—8·71	—7·20	—5·63	—5·04	—4·63	—3·88	—3·37					
84·57	85·49	86·88	87·99	88·57	89·20	89·52	89·59	89·62	89·81	89·70					
5·24	4·32	2·93	1·82	1·24	0·61	0·29	0·22	0·19	0·00	0·11					
·00126	·00104	·00070	·00044	·00030	·00015	·00007	·00005	·00004	0·00	·00026					
$\frac{q}{k} = \frac{·0002402}{·0002402} = 1.$															
2120·3	2124·2	2123·1	2112·1	2092·7	2054·9	2015·8	1600·9	1433·3	1419·8	1410·7	44260·8	1998·3			
84·81	84·97	84·92	84·48	83·71	82·20	80·63	80·04	79·63	78·88	78·37	1917·58	80·04	—0·04		
9·81	9·97	9·92	9·48	8·71	7·20	5·63	5·04	4·63	3·88	3·37					

made during the Month of February, 1847.

Zero from the 1st to the 28th. Scale Divisions 97·70. Thermometer 80°.															
2385·1	2417·1	2431·4	2438·0	2424·1	2410·5	2395·0	2384·0	2273·8	1364·8	1360·8	51877·5	2348·0			— ·000074
99·38	100·71	101·31	101·58	101·00	100·44	99·79	99·33	98·86	97·49	97·20	2342·77	97·70	+0·31	98·01	
—8·34	—8·52	—8·09	—6·97	—5·72	—4·73	—3·90	—3·09	—2·83	—2·56	—2·07					
91·04	92·19	93·22	94·61	95·28	95·71	95·89	96·24	96·03	94·93	95·13					
5·20	4·05	3·02	1·63	0·96	0·53	0·35	0·00	0·21	1·31	1·11					
·00125	·00097	·00073	·00039	·00023	·00013	·00008	0·00	·00005	·00031	·00027					
$\frac{q}{k} = \frac{·0002402}{·0002402} = 1.$															
2021·5	2025·9	2015·6	1988·7	1958·6	1934·9	1915·0	1895·5	1810·5	1098·3	1091·4	42316·7	1913·7			
84·23	84·41	83·98	82·86	81·61	80·62	79·79	78·98	78·72	78·45	77·96	1908·66	79·69	+0·31		
—8·34	—8·52	—8·09	—6·97	—5·72	—4·73	—3·90	—3·09	—2·83	—2·56	—2·07					

TABLE B.

Observatory at Batavia.—Hourly observations

Astron. Mean Time of Station. }	15.	16.	17.	18.	19.	20.	21.	22.	23.	0.	1.	
<div><div>$k=000415987 \times \cot 60^{\circ} = \cdot 0002402.$ q</div><div>Bifilar Magnetometer. $= \cdot 0002402.$</div></div>												
Sums	2704.4	2688.8	2674.3	2663.6	2663.3	2665.2	2686.0	2706.6	2725.7	2739.0	2765.7	
Means of 27 days ...	100.16	99.59	99.05	98.65	98.64	98.71	99.48	100.24	100.95	101.44	102.43	
Temp. corrections ...	−1.00	−0.68	−0.23	−0.00	−0.58	−2.43	−4.67	−6.29	−7.55	−8.38	−8.69	
Corrected means ...	99.16	98.91	98.82	98.65	98.06	96.28	94.81	93.95	93.40	93.06	93.74	
Oscillations & diffs. .	0.00	0.25	0.34	0.51	1.10	2.88	4.35	5.21	5.76	6.10	5.42	
$\frac{\partial X}{X}$	0.00	·00006	·00008	·00012	·00026	·00069	·00104	·00125	·00138	·00146	·00130	
Thermometer of Bifilar.												
Sums	2092.9	2084.2	2072.0	2065.9	2081.3	2131.4	2191.9	2235.7	2269.6	2292.1	2300.4	
Means of 27 days ...	77.51	77.19	76.74	76.51	77.09	78.94	81.18	82.80	84.06	84.89	85.20	
Differences & corrs. .	−1.00	−0.68	−0.23	0.00	−0.58	−2.43	−4.67	−6.29	−7.55	−8.38	8.69	

Observatory at Batavia.—Hourly observations

<div><div>$k=\cdot 00041598 \times \cot 60^{\circ} = \cdot 0002402.$ $q =$</div><div>Bifilar Magnetometer. $= \cdot 0002402.$</div></div>												
Sums	2734.8	2718.2	2703.7	2680.4	2683.6	2704.3	2626.1	2751.2	2764.7	2804.5	2841.9	
Means of 26 days ...	105.18	104.55	103.99	103.09	103.22	104.01	105.04	105.82	106.33	107.87	109.30	
Temp. corrections ...	−1.37	−0.72	−0.22	0.00	−1.42	−3.59	−5.39	−8.33	−9.48	−10.20	−10.14	
Corrected means ...	103.81	103.83	103.77	103.09	101.80	100.42	99.65	97.49	96.85	97.67	99.16	
Oscillations & diffs. .	0.56	0.54	0.60	1.28	2.57	3.95	4.72	6.88	7.52	6.70	5.21	
$\frac{\partial X}{X}$	·00013	·00013	·00014	·00031	·00062	·00095	·00113	·00165	·00181	·00161	·00125	
Thermometer of Bifilar.												
Sums	2000.8	1983.8	1970.8	1965.0	2001.9	2058.4	2049.2	2181.7	2211.5	2230.2	2228.7	
Means of 26 days ...	76.95	76.30	75.80	75.58	77.00	79.17	81.97	83.91	85.06	85.78	85.72	
Differences & corrs. .	−1.37	−0.72	−0.22	0.00	−1.42	−3.59	−5.39	−8.33	−9.48	−10.20	−10.14	

TABLE B.

made during the Month of March, 1847.

2.	3.	4.	5.	6.	7.	8.	9.	Sums.	Means.	Temp. Corrs.	Corrected Means.	$\frac{\delta X}{X}$
Zero from the 1st to the 31st. Scale Divisions 101·77. Thermometer 80°.												
2811·5	2854·0	2866·6	2855·2	2816·7	2795·9	2780·5	2640·7	52103·7	2742·4			
104·13	105·70	106·17	105·75	104·32	103·55	102·98	101·57	1933·51	101·77	—1·31	100·46	+ ·000315
—8·93	—8·90	—8·35	—7·34	—5·56	—4·64	—3·87	—2·95					
95·20	96·72	97·82	98·41	98·76	98·91	99·11	98·62					
3·96	2·44	1·34	0·75	0·40	0·25	0·05	0·54					
·00095	·00059	·00032	·00018	·00010	·00006	·00001	·00013					
$\frac{q}{k} = \frac{·0002402}{·0002402} = 1.$												
2306·8	2308·3	2291·3	2264·0	2215·9	2191·1	2170·3	2065·9	41631·0	2195·6			
85·44	85·49	84·86	83·85	82·07	81·15	80·38	79·46	1544·81	81·31	—1·31		
—8·93	—8·98	—8·35	—7·34	—5·56	—4·64	—3·87	—2·95					

made during the Month of April, 1847.

Zero from the 1st to the 30th. Scale Divisions 107·40. Thermometer 80°.												
2888·2	2814·2	2930·7	2906·4	2212·4	2192·0	2164·1	2142·9	50264·3	2790·4			
111·08	112·57	112·72	111·78	110·62	109·60	108·21	107·15	2042·13	107·40	—1·25	106·15	·000300
—9·96	—9·48	—8·90	—7·70	—6·25	—5·27	—4·22	—3·52					
101·12	103·09	103·82	104·08	104·37	104·33	103·99	103·63					
3·25	1·28	0·55	0·29	0·00	0·04	0·38	0·74					
·00078	·00031	·00013	·00007	·00024	·00001	·00009	·00018					
$\frac{q}{k} = \frac{·0002402}{·0002402} = 1.$												
2224·0	2126·4	2196·5	2165·3	1636·5	1616·9	1596·0	1581·9	38025·5	2112·9			
85·54	85·06	84·48	83·28	81·83	80·85	79·80	79·10	1543·18	81·25	—1·25		
—9·96	—9·48	—8·90	—7·70	—6·25	—5·27	—4·22	—3·52					

TABLE B.

Observatory at Batavia.—Hourly observations

Astron. Mean Time of Station. }	15.	16.	17.	18.	19.	20.	21.	22.	23.	0.	1.	
<div><div>$k = \cdot 000415987 \times \cot 60^{\circ} = \cdot 0002402.$ q</div><div>$= \cdot 0002402.$ Bifilar Magnetometer.</div></div>												
Sums	2849·3	2831·1	2811·1	2792·1	2802·8	2840·4	2460·0	2926·6	2947·9	2987·0	3012·5	
Means of 26 days ...	109·59	108·89	108·12	107·39	107·80	109·25	111·82	112·56	113·38	114·88	115·87	
Temp. corrections ...	−1·47	−0·95	0·40	0·00	−1·43	−4·58	−8·43	−9·70	−11·12	−12·36	−11·96	
Corrected means ...	108·12	107·94	107·72	107·39	106·37	104·67	103·39	102·86	102·26	102·52	103·91	
Oscillations & diffs. .	−0·75	0·93	1·15	1·48	2·50	4·20	5·48	6·01	6·61	6·35	4·96	
$\frac{\delta X}{X}$	·00018	·00022	·00028	·00035	·00060	·00101	·00132	·00144	·00159	·00152	·00119	
Thermometer of Bifilar.												
Sums	1976·6	1963·0	1948·6	1938·3	1975·6	2057·5	1825·5	2190·6	2227·3	2259·7	2249·2	
Means of 26 days ...	76·02	75·50	74·95	74·55	75·98	79·13	82·98	84·25	85·67	86·91	86·51	
Differences & corrds. .	−1·47	−0·95	−0·40	0·00	−1·43	−4·58	−8·43	−9·70	−11·12	−12·36	−11·96	

Observatory at Batavia.—Hourly observations

<div><div>$k = \cdot 000415987 \times \cot 60^{\circ} = \cdot 0002402.$ q</div><div>$= \cdot 0002402.$ Bifilar Magnetometer.</div></div>												
Sums	2953·1	2928·1	2897·6	2762·3	2785·6	2815·3	2418·3	2909·2	3059·5	3099·8	3120·4	
Means of 26 days ...	113·58	112·62	111·45	110·49	111·42	112·61	115·16	116·37	117·67	119·22	120·02	
Temp. corrections ...	−1·30	−0·68	−0·20	0·00	−1·82	−4·50	−8·37	−10·42	−11·89	−12·87	−12·90	
Corrected means ...	112·28	111·94	111·25	110·49	109·60	108·11	106·79	105·95	105·78	106·35	107·12	
Oscillations & diffs. .	0·00	0·34	1·03	1·79	2·68	4·17	5·49	6·33	6·50	5·93	5·16	
$\frac{\delta X}{X}$	·00000	·00008	·00025	00043	·00064	·00100	·00132	·00152	·00156	·00142	·00124	
Thermometer of Bifilar.												
Sums	1957·8	1941·8	1929·2	1850·0	1895·5	1962·6	1729·7	2110·5	2233·1	2258·7	2259·5	
Means of 26 days ...	75·30	74·68	74·20	74·00	75·82	78·50	82·37	84·42	85·89	86·87	86·90	
Differences & corrds. .	−1·30	−0·68	−0·20	0·00	−1·82	−4·50	−8·37	−10·42	−11·89	−12·87	−12·90	

TABLE B.

made during the Month of May, 1847.

	2.	3.	4.	5.	6.	7.	8.	9.	Sums.	Means.	Temp. Corrs.	Corrected Means.	$\frac{\delta X}{X}$.
Zero from the 1st to the 31st. Scale Divisions 112·95. Thermometer 80°.													
	3031·2	2599·6	3076·7	3059·1	2898·7	2747·9	2727·1	2701·4	54102·5	2935·8			
	116·58	118·16	118·33	117·66	115·95	114·50	113·63	112·56	2146·92	112·95	—1·16	111·79	+
	—11·05	—11·06	—10·41	—9·01	—7·08	—5·93	—5·05	—4·30					·000279
	105·53	107·10	107·92	108·65	108·87	108·57	108·58	108·26					
	3·34	1·77	0·95	0·22	0·00	0·30	0·29	0·61					
	·00080	·00042	·00023	·00005	0·00	·00007	·00007	·00015					
$\frac{q}{k} = \frac{·0002402}{·0002402} = 1.$													
	2225·5	1883·4	2208·9	2172·5	2040·8	1931·6	1910·4	1892·4	38877·4	2109·7			
	85·60	85·61	84·96	83·56	81·63	80·48	79·60	78·85	1542·74	81·16	—1·16		
	—11·05	—11·06	—10·41	—9·01	—7·08	—5·93	—5·05	—4·30					

made during the Month of June, 1847.

Zero from the 1st to the 30th. Scale Divisions 116·43. Thermometer 80°.													
	3030·1	2558·3	3028·4	2886·5	2729·9	2468·3	2446·4	2428·1	53325·2	3027·1			
	121·20	121·82	121·14	120·27	118·69	117·54	116·50	115·62	2213·39	116·43	—1·03	115·40	+
	—12·59	—12·16	—10·78	—9·41	—7·17	—6·24	—5·46	—5·41					·000247
	108·61	109·66	110·36	110·86	111·52	111·30	111·04	110·21					
	3·67	2·62	1·92	1·42	1·66	0·98	1·14	2·07					
	·00088	·00063	·00046	·00034	·00040	·00023	·00027	·00050					
$\frac{q}{k} = \frac{·0002402}{·0002402} = 1.$													
	2164·7	1809·4	2119·5	2001·8	1866·8	1685·0	1668·7	1667·7	37112·0	2104·8			
	86·59	86·16	84·78	83·41	81·17	80·24	79·46	79·41	1540·17	81·03	—1·03		
	—12·59	—12·16	—10·78	—9·41	—7·17	—6·24	—5·46	—5·41					

TABLE B.

Observatory at Cocos Island.—Hourly observations made

Astron. Mean Time of Station. }	15.	16.	17.	18.	19.	20.	21.	22.	23.	0.	1.	
<div><div>$k = \cdot 000415987 \times \cot 60^{\circ} = \cdot 0002402.$ $q = \cdot 0002402.$</div><div>Bifilar Magnetometer.</div></div>												
Sums	2152·6	2137·9	2130·3	2121·6	2091·7	2092·3	2103·7	2111·6	2124·5	2126·3	2154·3	
Means of 27 days ...	79·73	79·18	78·90	78·58	77·47	77·49	77·91	78·21	78·69	78·75	79·79	
Temp. corrections ...	−0·32	−0·16	−0·11	0·00	−0·42	−1·61	−3·31	−4·35	−5·62	−5·99	−5·93	
Corrected means ...	79·41	79·02	78·79	78·58	77·05	75·88	74·60	73·86	73·07	72·76	73·86	
Oscillations & diffs. .	0·98	1·37	1·60	1·81	3·34	4·51	5·79	6·53	7·32	7·63	6·53	
$\frac{\delta X}{X}$	·00023	·00033	·00038	·00043	·00080	·00108	·00139	·00157	·00176	·00183	·00157	
Thermometer of Bifilar.												
Sums	2079·6	2075·2	2073·9	2070·9	2082·3	2114·3	2160·2	2188·4	2222·6	2232·7	2231·1	
Means of 27 days ...	77·02	76·86	76·81	76·70	77·12	78·31	80·01	81·05	82·32	82·69	82·63	
Differences & corrs. .	−0·32	−0·16	−0·11	0·00	−0·42	−1·61	−3·31	−4·35	−5·62	−5·99	−5·93	

TABLE B.

during the Months of August and September, 1848.

	2.	3.	4.	5.	6.	7.	8.	9.	Sums.	Means.	Temp. Corrs.	Corrected Means.	$\frac{\delta X}{X}$.
Zero from the 28th of August to the 27th of September. Scale Divisions 79.76. Thermometer 80°.													
	2179.2	2193.6	2204.5	2193.5	2183.1	2183.2	2192.5	2190.2	41872.4	2151.6			
	80.71	81.24	81.65	81.24	80.86	80.86	81.20	81.12	1513.58	79.76	+0.94	80.70	— ·000226
	—5.10	—4.14	—3.28	—2.06	—1.20	—0.96	—0.83	—0.73					
	75.61	77.10	78.37	79.18	79.66	79.90	80.37	80.39					
	4.78	3.29	2.02	1.21	0.73	0.49	0.02	0.00					
	·00115	·00079	·00048	·00029	·00017	·00012	·00001	0.00					
$q = \frac{·0002402}{h} = 1.$													
	2208.5	2182.6	2159.4	2126.6	2103.4	2096.7	2093.3	2090.7	41513.7	2135.1			
	81.80	20.84	79.98	78.76	77.90	77.66	77.53	77.43	1503.42	79.07			
	—5.10	—4.14	—3.28	—2.06	—1.20	—0.96	—0.83	—0.73					

TABLE C.

Variation of the Dry Thermometer at

Astron. Mean Time.	12.	13.	14.	15.	16.	17.	18.	19.	20.	21.	22.
Moulmein	0·5	0·2	0·0	0·1	2·9	10·5	14·2	18·8
Madras	1·1	0·8	0·3	0·0	1·4	4·5	7·7	10·4
Nicobar	0·0	0·6	0·8	0·9	2·0	6·6	9·0	12·8
Samboonga	0·2	0·1	0·3	0·0	4·7	9·6	10·8	11·2
Penang	1·5	1·0	0·0	0·2	1·1	3·3	7·5	11·1
Pulo Dinding	1·4	1·0	0·3	0·0	0·5	5·8	11·1	18·4
Sarawak.....	1·6	1·3	1·0	0·8	0·6	0·4	0·0	0·3	1·7	4·0	6·2
Keemah	1·0	0·7	0·4	0·0	2·7	9·4	12·3	15·6
Pulo Peesang.....	0·8	0·0	0·2	1·0	2·0	5·0	9·2
Singapore	1·3	1·1	0·9	0·3	0·0	0·8	2·0	5·5
Carimon.....	0·6	0·0	2·4	5·5	8·0	9·8
Padang	0·5	0·2	0·0	0·0	1·5	5·9	10·0	12·2
Bencoolen	1·4	1·2	0·0	1·0	4·0	7·1	9·7	12·3
Batavia, Winter.....	1·8	1·5	1·1	0·7	0·4	0·2	0·0	1·2	3·4	5·8	7·6
Batavia, Spring	1·4	0·9	0·3	0·0	1·2	4·1	7·6	9·6
Cocos.....	0·4	0·3	0·3	0·0	0·4	1·7	3·5	4·8

Variation of the Dry Thermometer at

June .....1846...	1·5	1·1	0·8	0·6	0·4	0·4	0·0	0·5	2·0	4·3	6·7
July	1·8	1·5	1·2	0·9	0·7	0·6	0·0	0·3	1·6	3·8	5·7
August	1·6	1·3	1·0	0·8	0·6	0·3	0·0	0·2	1·5	4·0	6·1
Sums	4·9	3·9	3·0	2·3	1·7	1·3	0·0	1·0	5·1	12·1	18·5
Means and Variation...	1·6	1·3	1·0	0·8	0·6	0·4	0·0	0·3	1·7	4·0	6·2

Variation of the Dry Thermometer at

October .....1847...	.....	.....	.....	0·5	0·3	0·1	0·0	2·0	6·5	10·5	12·6
November .....	.....	.....	.....	0·5	0·2	0·0	0·0	1·9	6·5	10·1	12·1
December .....	.....	.....	.....	0·6	0·3	0·0	0·0	1·2	5·5	9·9	12·7
January .....1848...	.....	.....	.....	0·5	0·2	0·0	0·0	0·9	5·2	9·6	11·6
Sums .....	.....	.....	.....	2·1	1·0	0·1	0·0	6·0	23·7	40·1	49·0
Means and Variation...	.....	.....	.....	0·5	0·2	0·0	0·0	1·5	5·9	10·0	12·2

Variation of the Dry Thermometer at

November .....1848...	.....	.....	.....	1·1	0·9	0·8	0·5	0·0	0·6	1·6	2·4
December .....	.....	.....	.....	1·5	1·3	1·0	0·2	0·0	1·1	2·5	3·1
Sums .....	.....	.....	.....	2·7	2·2	1·8	0·7	0·0	1·7	4·1	5·5
Means and Variation...	.....	.....	.....	1·3	1·1	0·9	0·3	0·0	0·8	2·0	2·7

TABLE C.

various Stations in the Eastern Archipelago.

23.	Noon.	1.	2.	3.	4.	5.	6.	7.	8.	9.	10.	11.	Mean.
21.9	24.3	23.7	24.0	20.4	18.8	15.7	9.8	6.6	4.7	4.0	.....	.....	11.7
12.7	14.5	15.5	15.1	13.7	12.2	9.6	7.2	5.4	4.5	3.9	.....	.....	7.4
13.5	13.7	14.6	12.5	12.2	11.6	10.3	7.4	5.5	4.6	3.4	.....	.....	7.5
10.0	12.4	13.3	14.0	13.5	12.2	10.1	7.8	7.1	5.5	4.6	.....	.....	7.7
13.1	12.0	11.4	10.5	10.7	9.9	7.9	5.8	4.7	4.2	3.4	.....	.....	6.3
22.2	20.5	21.8	18.5	16.4	13.1	9.1	5.4	4.3	4.0	3.3	.....	.....	9.3
8.0	9.6	10.2	10.4	9.5	8.3	7.1	5.1	3.6	2.9	2.6	2.2	1.9	4.1
17.1	18.6	14.1	12.6	11.6	10.7	8.5	6.8	5.6	4.7	4.0	.....	.....	8.1
12.0	13.5	13.7	9.7	7.3	6.7	4.2	3.1	2.9	3.0	2.1	.....	.....	5.7
3.4	3.9	3.8	3.4	3.2	3.0	2.6	2.4	2.2	2.0	1.6	.....	.....	2.2
12.8	12.2	13.0	13.3	11.1	10.0	8.0	4.7	3.7	2.8	.....	.....	.....	7.4
14.0	15.5	16.0	15.1	13.3	11.1	8.7	6.1	4.6	3.4	2.6	.....	.....	7.4
12.9	13.6	13.0	11.3	10.0	10.5	8.7	6.2	5.1	4.3	3.6	.....	.....	7.3
8.9	9.6	9.8	10.0	9.5	8.6	7.0	5.3	4.4	3.7	2.8	2.9	2.3	4.6
10.9	11.8	11.8	11.3	11.0	10.2	8.6	6.6	5.5	4.7	4.0	.....	.....	6.4
6.4	6.7	5.9	5.0	3.8	2.8	1.8	1.2	1.0	1.1	0.9	.....	.....	2.5

Sarawak in Borneo, Eastern Archipelago.

8.5	9.9	10.4	10.2	9.2	8.3	7.0	4.7	3.7	3.0	2.5	2.1	1.8	
7.6	9.1	9.3	9.8	8.7	8.3	7.3	5.4	3.6	3.0	2.7	2.3	2.0	
8.0	9.7	11.0	11.1	10.5	8.2	7.1	5.3	3.5	2.8	2.5	2.2	1.9	
24.1	28.7	30.7	31.1	28.4	24.8	21.4	15.4	10.8	8.8	7.7	6.6	5.7	
8.0	9.6	10.2	10.4	9.5	8.3	7.1	5.1	3.6	2.9	2.6	2.2	1.9	4.1

Padang, Sumatra, Eastern Archipelago.

14.0	14.6	14.3	14.1	12.4	10.4	8.1	6.3	4.9	3.4	2.8	.....	.....
13.8	15.3	15.2	14.0	12.3	10.7	8.5	6.2	4.9	3.9	3.0	.....	.....
14.4	16.8	16.9	15.9	13.9	10.7	8.5	5.7	4.1	3.2	2.1	.....	.....
13.9	15.4	17.6	16.3	14.5	12.5	9.9	6.2	4.7	3.2	2.4	.....	.....
56.1	62.1	64.0	60.3	53.1	44.3	35.0	24.4	18.6	13.7	10.3	.....	.....
14.0	15.5	16.0	15.1	13.3	11.1	8.7	6.1	4.6	3.4	2.6	.....	.....	7.4

Singapore, Eastern Archipelago.

3.2	3.5	3.5	3.4	3.0	2.7	2.4	2.3	2.1	1.8	1.4	.....	.....	2.0
3.7	4.3	4.2	3.5	3.5	3.4	2.8	2.5	2.4	2.2	1.9	.....	.....	2.4
6.9	7.8	7.7	6.9	6.5	6.1	5.2	4.8	4.5	4.0	3.3	.....	.....	4.4
3.4	3.9	3.8	3.4	3.2	3.0	2.6	2.4	2.2	2.0	1.6	.....	.....	2.2

TABLE C.

Variation of the Dry Thermometer at Batavia

Astron. Mean Time.	12.	13.	14.	15.	16.	17.	18.	19.	20.	21.	22.
November ...1846.....	1·9	1·5	1·2	0·8	0·6	0·4	0·0	1·9	4·4	7·1	9·2
December	1·7	1·3	1·0	0·7	0·3	0·1	0·0	1·3	3·9	6·7	8·9
January .....1847.....	2·5	2·0	1·4	0·9	0·5	0·2	0·0	1·1	3·3	5·2	6·7
February	1·3	1·1	0·7	0·5	0·4	0·2	0·0	0·5	1·9	4·1	5·6
Sums	7·4	5·9	4·3	2·9	1·8	0·9	0·0	4·8	13·5	23·1	30·4
Means and Variation...	1·8	1·5	1·1	0·7	0·4	0·2	0·0	1·2	3·4	5·8	7·6

Variation of the Dry Thermometer at Batavia

March .....1847.....	.....	.....	.....	1·2	0·7	0·2	0·0	0·7	2·7	5·1	6·9
April .....	.....	.....	.....	1·7	1·0	0·4	0·0	1·3	3·9	6·9	9·1
May .....	.....	.....	.....	1·5	1·0	0·4	0·0	1·4	5·0	9·2	10·7
June .....	.....	.....	.....	1·4	0·9	0·4	0·0	1·4	4·8	9·3	11·7
Sums .....	.....	.....	.....	5·8	3·6	1·4	0·0	4·8	16·4	30·5	38·4
Means and Variation...	.....	.....	.....	1·4	0·9	0·3	0·0	1·2	4·1	7·6	9·6

Variation of the Wet Thermometer at

Moulmein .....	.....	.....	.....	0·7	0·6	0·0	0·1	1·9	5·5	6·7	7·9
Madras .....	.....	.....	.....	1·3	0·9	0·4	0·0	0·9	1·6	1·9	3·1
Nicobar .....	.....	.....	.....	0·0	0·5	0·5	0·5	1·7	5·1	6·1	8·2
Samboonga .....	.....	.....	.....	0·0	0·0	0·4	0·0	3·1	6·1	7·5	7·2
Penang .....	.....	.....	.....	1·3	1·0	0·3	0·2	0·0	2·6	5·5	7·8
Pulo Dinding .....	.....	.....	.....	1·5	0·8	0·4	0·0	1·0	3·6	7·3	10·0
Sarawak.....	1·3	1·1	0·8	0·6	0·5	0·3	0·0	0·3	1·3	2·7	3·5
Keemah .....	.....	.....	.....	1·1	0·9	0·6	0·0	2·6	6·0	8·1	9·9
Pulo Peesang .....	.....	.....	.....	.....	0·5	0·0	0·1	0·8	1·3	3·0	5·0
Singapore .....	.....	.....	.....	0·9	0·8	0·7	0·2	0·0	0·4	1·0	1·3
Carimon.....	.....	.....	.....	.....	.....	0·1	0·0	1·4	2·7	3·7	4·1
Padang .....	.....	.....	.....	0·5	0·3	0·1	0·0	1·2	3·8	6·2	6·8
Bencoolen .....	.....	.....	.....	0·5	0·2	0·0	0·0	2·2	3·8	5·0	5·9
Batavia, Winter.....	1·1	1·0	0·7	0·5	0·3	0·1	0·0	0·7	1·9	2·8	3·3
Batavia, Spring.....	.....	.....	.....	0·9	0·6	0·2	0·0	0·9	2·3	3·7	4·2
Cocos.....	.....	.....	.....	0·1	0·1	0·1	0·0	0·2	1·0	2·2	2·9

Variation of the Wet Thermometer at

June .....1846.....	1·2	1·0	0·8	0·6	0·4	0·3	0·0	0·4	1·5	2·9	3·8
July	1·4	1·2	0·9	0·6	0·5	0·3	0·0	0·3	1·2	2·6	3·3
August	1·3	1·1	0·8	0·6	0·5	0·2	0·0	0·3	1·2	2·5	3·4
Sums	3·9	3·3	2·5	1·8	1·4	0·8	0·0	1·0	3·9	8·0	10·5
Means and Variation...	1·3	1·1	0·8	0·6	0·5	0·3	0·0	0·3	1·3	2·7	3·5

TABLE C.

in Java, Eastern Archipelago. Winter.

23.	Noon.	1.	2.	3.	4.	5.	6.	7.	8.	9.	10.	11.	Mean.
10·6	11·6	11·1	11·3	10·2	9·2	7·3	5·0	4·5	3·8	1·3	2·9	2·5	5·1
10·0	9·5	9·5	9·5	9·4	8·1	6·3	4·6	3·7	3·0	2·6	2·3	1·7	4·4
8·0	9·2	10·2	10·4	10·5	10·0	8·8	7·0	5·7	5·0	4·5	3·8	3·2	5·2
7·0	8·2	8·6	8·9	8·1	7·0	5·7	4·5	3·8	3·1	2·8	2·5	1·9	3·9
35·6	38·5	39·4	40·1	38·2	34·3	28·1	21·1	17·7	14·9	11·2	11·5	9·3	18·6
8·9	9·6	9·8	10·0	9·5	8·6	7·0	5·3	4·4	3·7	2·8	2·9	2·3	4·6

in Java, Eastern Archipelago. Spring.

8·1	9·0	9·6	9·6	9·7	9·0	7·6	5·5	4·6	3·7	2·8	.....	.....	5·1
10·2	11·1	11·1	10·4	10·1	9·6	8·1	6·6	5·6	4·7	4·0	.....	.....	6·1
12·2	13·3	12·6	11·6	11·4	10·8	9·1	7·0	5·6	4·9	4·3	.....	.....	6·9
13·1	13·9	14·0	13·5	12·9	11·3	9·8	7·4	6·4	5·5	5·0	.....	.....	7·5
43·6	47·3	47·3	45·1	44·1	40·7	34·6	26·5	22·2	18·8	16·1	.....	.....	25·6
10·9	11·8	11·8	11·3	11·0	10·2	8·6	6·6	5·5	4·7	4·0	.....	.....	6·4

various stations in the Eastern Archipelago.

8·4	9·1	8·4	7·1	6·1	5·5	4·6	3·0	2·5	2·3	2·0	.....	.....	4·3
3·5	4·0	4·4	4·5	4·8	4·5	4·2	3·7	3·9	3·8	3·6	.....	.....	2·9
8·0	8·2	9·1	7·5	7·6	7·4	6·7	5·3	4·0	3·6	2·6	.....	.....	4·9
6·2	7·6	8·0	9·1	8·6	8·3	6·8	5·8	5·1	4·1	3·6	.....	.....	5·1
8·6	7·8	7·0	6·5	6·3	6·6	5·3	4·2	3·8	3·3	2·7	.....	.....	3·3
11·5	10·0	11·4	9·8	10·6	7·7	6·1	3·8	3·2	2·4	2·7	.....	.....	5·4
4·1	4·5	4·8	4·7	4·5	4·2	3·9	3·7	2·8	2·4	2·0	1·8	1·5	2·4
11·0	12·1	8·8	8·7	7·9	7·2	6·6	5·7	5·0	4·2	3·7	.....	.....	5·7
5·7	5·6	6·0	4·5	3·6	3·9	2·8	2·0	2·1	1·9	1·5	.....	.....	3·0
1·6	2·0	2·2	2·0	2·5	1·8	1·5	1·7	1·8	1·7	1·5	.....	.....	1·3
5·3	4·8	5·3	5·7	4·5	4·3	3·5	2·5	1·7	1·0	.....	.....	.....	3·2
7·8	8·5	8·8	8·3	7·6	6·9	5·9	4·7	4·1	3·2	2·8	.....	.....	4·6
6·2	6·8	6·9	6·5	5·4	5·7	5·1	3·7	2·6	1·9	1·6	.....	.....	3·7
3·8	4·0	4·1	4·1	4·0	3·5	3·1	2·6	2·5	2·2	2·1	2·0	1·6	2·2
4·6	4·9	4·9	4·9	4·7	4·4	3·9	3·3	2·9	2·6	2·1	.....	.....	3·0
4·0	4·1	3·6	3·3	2·4	1·8	1·0	0·7	0·7	0·6	0·5	.....	.....	1·5

Sarawak in Borneo, Eastern Archipelago.

4·3	4·8	5·0	4·7	4·6	4·3	3·7	3·3	2·9	2·4	1·9	1·7	1·3	
3·9	4·2	4·2	4·3	4·2	4·4	3·8	3·8	2·8	2·3	2·0	1·8	1·5	
4·0	4·5	5·1	5·1	4·7	4·0	4·1	3·9	2·8	2·4	2·2	1·8	1·6	
12·2	13·5	14·3	14·1	13·5	12·7	11·6	11·0	8·5	7·1	6·1	5·3	4·4	
4·1	4·5	4·8	4·7	4·5	4·2	3·9	3·7	2·8	2·4	2·0	1·8	1·5	2·4

TABLE C.

Variation of the Wet Thermometer at

Astron. Mean Time.	12.	13.	14.	15.	16.	17.	18.	19.	20.	21.	22.
October .....1847.....	0·7	0·5	0·2	0·0	1·7	4·2	6·7	6·9
November	0·4	0·2	0·1	0·0	1·3	4·0	5·9	6·5
December	0·5	0·2	0·0	0·0	1·0	3·9	6·1	7·3
January .....1848.....	0·5	0·2	0·0	0·1	0·7	3·3	6·0	6·7
Sums	2·1	1·1	0·3	0·1	4·7	15·4	24·7	27·4
Means and Variation...	0·5	0·3	0·1	0·0	1·2	3·8	6·2	6·8

Variation of the Wet Thermometer at

November .....1848...	.....	.....	.....	0·9	0·7	0·6	0·4	0·0	0·4	0·9	1·3
December .....	.....	.....	.....	1·0	0·9	0·8	0·0	0·0	0·4	1·1	1·3
Sums .....	.....	.....	.....	1·9	1·6	1·4	0·4	0·0	0·8	2·0	2·6
Means and Variation...	.....	.....	.....	0·9	0·8	0·7	0·2	0·0	0·4	1·0	1·3

Variation of the Wet Thermometer

November ...1846.....	1·1	1·9	0·6	0·4	0·3	0·1	0·0	1·1	2·3	3·3	3·6
December	1·0	0·8	0·7	0·5	0·3	0·1	0·0	0·8	2·2	3·3	3·8
January .....1847.....	1·5	1·3	0·9	0·6	0·4	0·1	0·0	0·6	1·8	2·5	3·1
February	1·0	1·0	0·7	0·6	0·4	0·2	0·0	0·4	1·5	2·3	2·8
Sums	4·6	4·0	2·9	2·1	1·4	0·5	0·0	2·9	7·8	11·4	13·3
Means and Variation...	1·1	1·0	0·7	0·5	0·3	0·1	0·0	0·7	1·9	2·8	3·3

Variation of the Bulb Thermometer

March .....	.....	.....	.....	0·9	0·5	0·2	0·0	0·7	1·8	2·6	3·1
April .....	.....	.....	.....	1·3	0·6	0·1	0·0	1·0	2·3	3·7	4·3
May .....	.....	.....	.....	1·3	0·8	0·4	0·0	1·1	2·9	4·4	4·9
June .....	.....	.....	.....	0·1	0·7	0·2	0·0	0·8	2·4	4·3	4·5
Sums .....	.....	.....	.....	3·6	2·6	0·9	0·0	3·6	9·4	15·0	16·8
Means and Variation...	.....	.....	.....	0·9	0·6	0·2	0·0	0·9	2·3	3·7	4·2

Diurnal Variation of the Tension of Vapour

	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.
Moulmein	·023	·022	·000	·002	·043	·105	·116	·121
Madras	·044	·031	·017	·005	·024	·016	·019	·010
Nicobar	·000	·012	·010	·009	·041	·123	·138	·185
Samboonga	·000	·001	·014	·002	·069	·138	·185	·168
Pulo Penang	·027	·022	·006	·000	·021	·058	·131	·188
Pulo Dinding.....	·040	·018	·011	·000	·031	·071	·165	·200
Sarawak.....	·033	·029	·022	·016	·012	·006	·000	·010	·033	·062	·075
Keemah	·029	·025	·017	·000	·066	·126	·184	·223
Pulo Peesang.....	·009	·000	·002	·020	·028	·064	·103
Singapore	·023	·019	·017	·004	·000	·006	·017	·021
Carimon.....	·000	·004	·032	·051	·065	·064
Padang	·012	·006	·002	·000	·026	·078	·133	·130
Bencoolen	·014	·006	·000	·000	·055	·085	·107	·117
Batavia, Winter.....	·023	·021	·015	·011	·007	·001	·000	·013	·037	·047	·047
Batavia, Spring.....	·029	·015	·005	·000	·021	·046	·063	·061
Cocos	·000	·001	·001	000	·004	·019	·056	·059

TABLE C.

Padang in Sumatra, Eastern Archipelago.

23.	Noon.	1.	2.	3.	4.	5.	6.	7.	8.	9.	10.	11.	Mean.
7·9	8·2	8·2	8·2	7·5	6·9	6·3	5·2	4·3	3·3	3·1	.....	.....	.....
7·2	8·2	8·1	7·9	7·2	6·6	5·5	4·5	4·2	3·4	2·9	.....	.....	.....
8·1	8·8	9·2	8·5	7·4	6·3	5·5	4·5	3·6	2·7	2·4	.....	.....	.....
8·0	8·8	9·6	8·8	8·5	7·9	6·4	4·8	4·2	3·5	2·9	.....	.....	.....
31·2	34·0	35·1	33·4	30·6	27·7	23·7	19·0	16·3	12·9	11·3	.....	.....	.....
7·8	8·5	8·8	8·3	7·6	6·9	5·9	4·7	4·1	3·2	2·8	.....	.....	4·6

Singapore, Eastern Archipelago.

1·7	1·9	2·2	2·3	3·0	1·9	1·6	1·8	1·9	1·7	1·6	.....	.....	1·4
1·6	2·2	2·3	1·8	2·0	1·7	1·4	1·6	1·8	1·7	1·5	.....	.....	1·3
3·3	4·1	4·5	4·1	5·0	3·6	3·0	3·4	3·7	3·4	3·1	.....	.....	.....
1·6	2·0	2·2	2·0	2·5	1·8	1·5	1·7	1·8	1·7	1·5	.....	.....	1·3

at Batavia in Java, Eastern Archipelago. Winter.

4·3	4·8	4·4	4·6	4·5	3·9	3·6	2·9	2·8	2·4	2·1	2·0	1·6	2·4
4·3	4·0	4·1	4·0	3·8	3·2	2·6	2·2	2·1	1·9	1·7	1·7	1·3	2·0
3·4	3·7	4·2	4·2	4·3	4·1	3·8	3·0	2·8	2·7	2·5	2·3	2·0	2·4
3·2	3·4	3·7	3·7	3·3	2·9	2·6	2·3	2·3	1·9	2·0	1·9	1·6	2·0
15·2	15·9	16·4	16·5	15·9	14·1	12·6	10·4	10·0	8·9	8·3	7·9	6·5	8·8
3·8	4·0	4·1	4·1	4·0	3·5	3·1	2·6	2·5	2·2	2·1	2·0	1·6	2·2

at Batavia in Java, Eastern Archipelago. Spring.

3·5	3·8	3·9	4·2	4·2	3·9	3·3	2·7	2·3	2·0	1·3	.....	.....	2·4
4·6	4·8	4·7	4·6	4·4	4·1	3·6	3·1	2·6	2·3	1·7	.....	.....	2·8
5·5	5·6	5·6	5·5	5·3	5·2	4·6	3·9	3·7	3·3	3·0	.....	.....	3·5
4·8	5·3	5·4	5·3	5·1	4·6	4·3	3·7	3·2	2·9	2·6	.....	.....	3·2
18·4	19·5	19·6	19·6	19·0	17·8	15·8	13·4	11·8	10·5	8·6	.....	.....	11·9
4·6	4·9	4·9	4·9	4·7	4·4	3·9	3·3	2·9	2·6	2·1	.....	.....	3·0

at various Stations in the Eastern Archipelago.

in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.
·109	·114	·085	·024	·021	·015	·010	·010	·025	·039	·034	.....	.....	·043
·000	·001	·006	·015	·044	·075	·064	·071	·100	·105	·104	.....	.....	·035
·169	·175	·202	·159	·167	·166	·148	·122	·051	·083	·059	.....	.....	·105
·137	·171	·177	·219	·201	·202	·164	·146	·124	·100	·090	.....	.....	·117
·202	·177	·151	·141	·131	·152	·118	·095	·091	·076	·061	.....	.....	·094
·226	·176	·227	·190	·251	·161	·136	·084	·073	·045	·064	.....	.....	·104
·077	·077	·081	·077	·079	·082	·078	·092	·074	·062	·053	·046	·037	·049
·257	·291	·193	·205	·184	·162	·161	·143	·128	·106	·096	.....	.....	·129
·100	·079	·093	·077	·064	·083	·065	·044	·051	·042	.....	.....	.....	·056
·027	·038	·048	·039	·043	·038	·031	·041	·049	·045	·044	.....	.....	·027
·079	·065	·087	·090	·066	·070	·056	·051	·030	·011	.....	.....	.....	·050
·151	·165	·171	·168	·152	·147	·133	·113	·102	·082	·077	.....	.....	·093
·123	·140	·151	·154	·119	·127	·122	·091	·059	·041	·037	.....	.....	·079
·052	·052	·054	·053	·052	·044	·046	·043	·048	·045	·041	·044	·036	·033
·063	·064	·065	·072	·068	·065	·061	·059	·054	·050	·049	.....	.....	·043
·087	·088	·076	·074	·052	·039	·019	·013	·014	·003	·011	.....	.....	·032

TABLE C.

Diurnal Variation of the Tension of Vapour at

Astron. Mean Time.	12.	13.	14.	15.	16.	17.	18.	19.	20.	21.	22.
	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.
June .....1846.....	·031	·028	·023	·018	·012	·008	·000	·010	·038	·071	·077
July	·035	·030	·021	·013	·011	·006	·000	·009	·029	·061	·080
August	·034	·029	·022	·016	·014	·005	·000	·011	·031	·055	·069
Sums	·100	·087	·066	·047	·037	·019	·000	·030	·098	·187	·226
Means and Variation .	·033	·029	·022	·016	·012	·006	·000	·010	·033	·062	·075
Diurnal Variation of the											
October.....1847.....	.....	.....	.....	·019	·015	·006	·000	·040	·085	·141	·125
November .....	.....	.....	.....	·010	·006	·004	·000	·028	·080	·117	·120
December .....	.....	.....	.....	·010	·002	·000	·000	·022	·084	·149	·143
January ...1848.....	.....	.....	.....	·013	·005	·000	·004	·018	·067	·127	·134
Sums .....	.....	.....	.....	·052	·028	·010	·004	·108	·316	·534	·522
Means and Variation .	.....	.....	.....	·012	·006	·002	·000	·026	·078	·133	·130
Diurnal Variation of the											
November ...1848.....	.....	.....	.....	·024	·018	·015	·011	·000	·010	·018	·026
December .....	.....	.....	.....	·024	·022	·022	·000	·002	·005	·018	·018
Sums .....	.....	.....	.....	·048	·040	·037	·011	·002	·015	·036	·044
Means .....	.....	.....	.....	·024	·020	·018	·005	·001	·007	·018	·022
Variation .....	.....	.....	.....	·023	·019	·017	·004	·000	·006	·017	·021
Diurnal Variation of the											
November ...1846.....	·022	·018	·011	·008	·006	·000	·000	·022	·042	·053	·042
December	·020	·016	·016	·013	·009	·003	·000	·016	·043	·057	·054
January .....1847.....	·029	·026	·019	·012	·008	·000	·005	·010	·032	·038	·046
February	·025	·027	·019	·016	·011	·006	·000	·010	·037	·045	·049
Sums	·096	·087	·065	·049	·034	·009	·005	·058	·154	·193	·191
Means	·024	·022	·016	·012	·008	·002	·001	·014	·038	·048	·048
Variation	·023	·021	·015	·011	·007	·001	·000	·013	·037	·047	·047
Diurnal Variation of the											
March .....1847.....	.....	.....	.....	·021	·012	·005	·000	·020	·041	·047	·049
April .....	.....	.....	.....	·033	·013	·000	·000	·025	·048	·073	·073
May .....	.....	.....	.....	·034	·020	·012	·000	·027	·057	·071	·076
June .....	.....	.....	.....	·027	·017	·003	·000	·014	·039	·062	·044
Sums .....	.....	.....	.....	·115	·063	·020	·000	·086	·185	·253	·242
Means and Variation .	.....	.....	.....	·029	·015	·005	·000	·021	·046	·063	·061

TABLE C.

Sarawak in the Eastern Archipelago.

23.	Noon.	1.	2.	3.	4.	5.	6.	7.	8.	9.	10.	11.	Mean.
in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	n.	in.
•084	•089	•091	•081	•089	•087	•074	•083	•077	•064	•049	•045	•032	•052
•073	•068	•066	•064	•073	•087	•072	•093	•072	•058	•049	•045	•036	•045
•073	•074	•087	•086	•074	•071	•087	•099	•074	•065	•060	•048	•043	•049
•230	•231	•244	•231	•236	•245	•233	•275	•223	•187	•158	•138	•111	•146
•077	•077	•081	•077	•079	•082	•078	•092	•074	•062	•053	•046	•037	•049

Tension of Vapour at Padang in Sumatra.

•152	•160	•164	•166	•153	•150	•152	•130	•107	•084	•084	.....	.....	•100
•129	•158	•154	•159	•146	•140	•118	•103	•106	•086	•076	.....	.....	•088
•160	•162	•177	•159	•134	•124	•116	•107	•090	•064	•065	.....	.....	•087
•165	•181	•193	•171	•179	•178	•151	•116	•108	•098	•084	.....	.....	•101
•606	•661	•688	•655	•612	•592	•537	•456	•411	•332	•309	.....	.....	•376
•151	•165	•171	•168	•152	•147	•133	•113	•102	•082	•077	.....	.....	•093

Tension of Vapour at Singapore.

•033	•038	•051	•056	•048	•047	•038	•047	•054	•049	•050	.....	.....	•030
•023	•041	•047	•024	•040	•031	•026	•037	•046	•044	•040	.....	.....	•036
•056	•079	•098	•080	•088	•078	•064	•084	•100	•093	•090	.....	.....	•056
•028	•039	•049	•040	•044	•039	•032	•042	•050	•046	•045	.....	.....	•028
•027	•038	•048	•039	•043	•038	•031	•041	•049	•045	•044	.....	.....	•027

Tension of Vapour at Batavia. Winter.

•053	•068	•054	•061	•068	•055	•064	•060	•062	•054	•046	•047	•036	•038
•062	•055	•060	•055	•048	•037	•033	•036	•042	•041	•038	•041	•032	•029
•046	•043	•053	•051	•054	•051	•051	•039	•045	•049	•038	•046	•039	•034
•051	•045	•053	•050	•042	•037	•040	•041	•049	•040	•048	•047	•042	•035
•212	•211	•220	•217	•212	•180	•188	•176	•198	•184	•170	•181	•149	•136
•053	•053	•055	•054	•053	•045	•047	•044	•049	•046	•042	•045	•037	•034
•052	•052	•054	•053	•052	•044	•046	•043	•048	•045	•041	•044	•036	•033

Tension of Vapour at Batavia. Spring.

•052	•054	•054	•066	•065	•061	•049	•047	•040	•038	•020	.....	.....	•039
•075	•074	•069	•074	•065	•059	•055	•055	•041	•039	•022	.....	.....	•044
•084	•076	•083	•091	•085	•087	•081	•076	•083	•075	•069	.....	.....	•061
•041	•052	•055	•057	•056	•053	•058	•060	•051	•049	•044	.....	.....	•040
•252	•256	•261	•288	•271	•260	•243	•238	•215	•201	•155	.....	.....	•184
•063	•064	•065	•072	•068	•065	•061	•059	•054	•050	•049	.....	.....	•046

TABLE C.

Mean Degree of Humidity of the Air at

Astron. Mean Time.	12.	13.	14.	15.	16.	17.	18.	19.	20.	21.	22.
Moulmein .....	.....	.....	.....	90	91	89	89	84	72	65	57
Madras .....	.....	.....	.....	84	83	83	83	81	72	66	60
Nicobar .....	.....	.....	.....	94	93	93	92	93	88	83	77
Sambooaanga .....	.....	.....	.....	90	90	91	91	85	78	79	77
Pulo Penang .....	.....	.....	.....	91	91	93	91	91	89	84	80
Pulo Dinding .....	.....	.....	.....	90	89	90	90	92	81	77	63
Sarawak.....	97	98	98	98	98	98	99	99	97	93	88
Keemah .....	.....	.....	.....	93	93	93	92	92	79	77	73
Pulo Peesang .....	.....	.....	.....	.....	98	99	99	98	96	92	83
Singapore .....	.....	.....	.....	86	86	87	87	88	86	84	82
Carimon.....	.....	.....	.....	.....	.....	93	95	91	84	79	74
Padang .....	.....	.....	.....	94	93	93	93	92	85	79	74
Bencoolen .....	.....	.....	.....	100	100	100	100	98	89	86	80
Batavia, Winter.....	93	94	95	96	96	96	97	94	91	85	80
Batavia, Spring.....	.....	.....	.....	95	96	96	97	95	89	81	78
Cocos.....	.....	.....	.....	83	84	84	84	84	82	80	78
Mean Degree of Humidity of											
June .....1846...	98	99	99	99	99	99	99	99	97	93	87
July	97	97	97	97	98	97	99	99	97	93	90
August	97	97	97	97	98	98	98	99	97	92	87
Means	97	98	98	98	98	98	99	99	97	93	88
Mean Degree of Humidity of											
October .....1847...	.....	.....	.....	94	94	93	93	92	84	79	72
November .....	.....	.....	.....	94	94	94	94	91	84	78	74
December .....	.....	.....	.....	92	91	92	92	91	86	80	73
January .....1848...	.....	.....	.....	94	93	94	94	93	86	80	76
Means .....	.....	.....	.....	94	93	93	93	92	85	79	74
Mean Degree of Humidity of											
November .....1848...	.....	.....	.....	87	87	87	88	88	88	86	84
December .....	.....	.....	.....	86	86	87	87	88	85	83	81
Means .....	.....	.....	.....	86	86	87	87	88	86	84	82
Mean Degree of Humidity											
November .....1846...	93	94	94	95	95	95	97	93	88	82	76
December	93	94	95	96	96	96	96	94	89	83	77
January .....1847...	93	94	95	96	97	97	98	95	91	86	83
February	95	96	96	97	96	96	96	96	95	89	85
Means	93	94	95	96	96	96	97	94	91	85	80
Mean Degree of Humidity of											
March .....1847...	.....	.....	.....	95	95	96	96	96	92	86	81
April .....	.....	.....	.....	96	96	96	97	96	91	85	79
May .....	.....	.....	.....	96	96	97	97	95	88	78	75
June .....	.....	.....	.....	95	96	96	97	94	87	77	70
Means .....	.....	.....	.....	95	96	96	97	95	89	81	78

TABLE C.

various stations in the Eastern Archipelago.

23.	Noon.	1.	2.	3.	4.	5.	6.	7.	8.	9.	10.	11.	Mean.
51	50	47	43	48	50	55	66	74	81	82	.....	.....	66
55	52	51	52	56	61	65	71	78	81	82	.....	.....	68
74	74	74	76	77	79	80	86	88	90	91	.....	.....	84
77	78	73	76	74	77	79	84	84	86	87	.....	.....	81
76	76	76	77	76	80	82	85	88	88	89	.....	.....	84
58	58	59	63	70	72	79	84	86	84	88	.....	.....	76
83	79	78	77	80	82	85	92	95	96	96	97	97	91
72	71	74	78	79	80	85	88	90	90	91	.....	.....	83
75	70	71	79	85	87	93	94	96	94	96	.....	.....	88
81	81	82	82	83	84	84	85	87	87	88	.....	.....	85
69	69	68	68	71	74	78	86	87	87	.....	.....	.....	79
71	69	68	70	73	78	82	88	91	92	94	.....	.....	83
79	79	81	86	86	86	90	95	95	95	97	.....	.....	88
76	75	75	75	76	77	81	85	89	90	91	93	93	87
74	71	71	74	74	75	78	84	86	88	89	.....	.....	83
76	76	77	79	80	81	82	83	83	82	83	.....	.....	81

the Air at Sarawak, Borneo.

83	79	78	78	81	83	86	93	95	96	96	97	97	92
84	79	79	77	82	83	84	92	95	96	96	97	96	91
82	78	76	75	76	81	86	92	95	96	97	96	97	91
83	79	78	77	80	82	85	92	95	96	96	97	97	91

the Air at Padang in Sumatra.

71	71	72	72	75	80	86	89	91	93	94	.....	.....	83
70	69	69	72	75	79	82	87	91	92	94	.....	.....	83
70	65	66	67	70	76	81	88	90	90	94	.....	.....	81
73	71	67	68	73	77	81	88	91	95	96	.....	.....	83
71	69	68	70	73	78	82	88	91	92	94	.....	.....	83

the Air at Singapore.

83	82	84	84	85	85	85	87	88	88	89	.....	.....	86
80	80	81	81	82	82	83	84	86	86	86	.....	.....	84
81	81	82	82	83	84	84	85	87	87	88	.....	.....	85

of the Air at Batavia in Java. Winter.

73	72	72	72	75	77	82	88	90	91	92	93	93	86
75	76	76	76	75	77	82	86	90	92	93	94	94	87
79	76	74	74	77	75	78	81	85	87	87	91	92	86
81	78	78	77	78	80	84	87	90	91	93	94	95	88
76	75	75	75	76	77	81	85	89	90	91	93	93	87

the Air at Batavia in Java. Spring.

79	76	75	76	76	77	79	85	87	89	90	.....	.....	85
77	74	74	76	76	77	80	84	85	87	88	.....	.....	84
72	69	71	74	74	76	79	84	89	90	91	.....	.....	83
67	66	66	67	68	70	75	82	83	86	87	.....	.....	80
74	71	71	74	74	75	78	84	86	88	89	.....	.....	83

TABLE C.

Observatory at Moulmein—Hourly observations

Astron. Mean Time of Station. }	15.	16.	17.	18.	19.	20.	21.	22.	23.	Noon.	
Dry Thermometer.											
Mean of 7 days	77·1	76·8	76·6	76·7	79·5	87·1	90·8	95·4	98·5	100·9	
Diurnal variation ...	0·5	0·2	0·0	0·1	2·9	10·5	14·2	18·8	21·9	24·3	
Wet Thermometer.											
Mean of 7 days	74·9	74·8	74·2	74·3	76·1	79·7	80·9	82·1	82·6	83·3	
Diurnal variation ...	0·7	0·6	0·0	0·1	1·9	5·5	6·7	7·9	8·4	9·1	
Tension of vapour ...	·826	·825	·803	·805	·846	·908	·919	·924	·912	·917	

Observatory at Madras.—Hourly observations made

Dry Thermometer.											
Mean of 32 days ...	78·9	78·6	78·1	77·8	79·2	82·3	85·5	88·2	90·5	92·3	
Diurnal variation ...	1·1	0·8	0·3	0·0	1·4	4·5	7·7	10·4	12·7	14·5	
Wet Thermometer.											
Mean of 32 days ...	75·0	74·6	74·1	73·7	74·6	75·3	76·3	76·8	77·2	77·7	
Diurnal variation ...	1·3	0·9	0·4	0·0	0·9	1·6	1·9	3·1	3·5	4·0	
Tension of vapour ...	·810	·797	·783	·771	·790	·782	·785	·776	·766	·767	

Observatory at Car Nicobar.—Hourly observations

Dry Thermometer.											
Mean of 5 days	73·0	73·6	73·8	73·9	75·0	79·6	82·0	85·8	86·5	86·7	
Diurnal variation ...	0·0	0·6	0·8	0·9	2·0	6·6	9·0	12·8	13·5	13·7	
Wet Thermometer.											
Mean of 5 days	71·7	72·2	72·2	72·2	73·4	76·8	77·8	79·9	79·7	79·9	
Diurnal variation ...	0·0	0·5	0·5	0·5	1·7	5·1	6·1	8·2	8·0	8·2	
Tension of vapour ...	·750	·762	·760	·759	·791	·873	·885	·935	·919	·925	

Observatory at Samboonga.—Hourly observations

Dry Thermometer.											
Mean of 6 days	74·7	74·6	74·8	74·5	79·2	84·1	85·3	85·7	84·5	86·9	
Diurnal variation ...	0·2	0·1	0·3	0·0	4·7	9·6	10·8	11·2	10·0	12·4	
Wet Thermometer.											
Mean of 6 days	72·5	72·5	72·9	72·5	75·6	78·6	80·0	79·7	78·7	80·1	
Diurnal variation ...	0·0	0·0	0·4	0·0	3·1	6·1	7·5	7·2	6·2	7·6	
Tension of vapour ...	·760	·761	·774	·762	·829	·898	·945	·928	·897	·931	

Observatory at Penang.—Hourly observations

Dry Thermometer.											
Mean of 5 days	76·4	75·9	74·9	75·1	76·0	78·2	82·4	86·0	88·0	86·9	
Diurnal variation ...	1·5	1·0	0·0	0·2	1·1	3·3	7·5	11·1	13·1	12·0	
Wet Thermometer.											
Mean of 5 days	74·3	74·0	73·3	73·2	74·0	75·6	78·5	80·8	81·6	80·8	
Diurnal variation ...	1·3	1·0	0·3	0·2	0·0	2·6	5·5	7·8	8·6	7·8	
Tension of vapour ...	·809	·804	·788	·782	·803	·840	·913	·970	·984	·959	

TABLE C.

made during the Month of April, 1849.

1.	2.	3.	4.	5.	6.	7.	8.	9.	Sums.	Means.	Tension of Vapour.
Dry Thermometer.											
100·3 23·7	100·6 24·0	97·0 20·4	95·4 18·8	92·3 15·7	86·4 9·8	83·2 6·6	81·3 4·7	80·6 4·0	1676·5	88·3	
Wet Thermometer.											
82·6 8·4 ·888	81·3 7·1 ·827	80·3 6·1 ·824	79·7 5·5 ·818	78·8 4·6 ·813	77·2 3·0 ·813	76·7 2·5 ·828	76·5 2·3 ·842	76·2 2·0 ·837	1492·2	78·5	·846

during the Months of August and September, 1849.

Dry Thermometer.											
93·3 15·5	92·9 15·1	91·5 13·7	90·0 12·2	87·4 9·6	85·0 7·2	83·2 5·4	82·3 4·5	81·7 3·9	1618·7	85·2	
Wet Thermometer.											
78·1 4·4 ·772	78·2 4·5 ·781	78·5 4·8 ·810	78·2 4·5 ·841	77·9 4·2 ·830	77·4 3·7 ·837	77·6 3·9 ·866	77·5 3·8 ·871	77·3 3·6 ·870	1456·0	76·6 ·801	·801

made during the Month of February, 1849.

Dry Thermometer.											
87·6 14·6	85·5 12·5	85·2 12·2	84·6 11·6	83·3 10·3	80·4 7·4	78·5 5·5	77·6 4·6	76·4 3·4	1529·0	80·5	
Wet Thermometer.											
80·8 9·1 ·952	79·2 7·5 ·909	79·3 7·6 ·917	79·1 7·4 ·916	78·4 6·7 ·898	77·0 5·3 ·872	75·7 4·0 ·841	75·3 3·6 ·835	74·3 2·6 ·809	1454·9	76·6 ·855	·855

made during the Month of May, 1848.

Dry Thermometer.											
87·8 13·3	88·5 14·0	88·0 13·5	86·7 12·2	84·6 10·1	82·3 7·8	81·6 7·1	80·0 5·5	79·1 4·6	1562·9	82·2	
Wet Thermometer.											
80·5 8·0 ·937	81·6 9·1 ·979	81·1 8·6 ·961	80·8 8·3 ·962	79·3 6·8 ·924	78·3 5·8 ·906	77·6 5·1 ·884	76·6 4·1 ·860	76·1 3·6 ·850	1475·0	77·6 ·877	·877

made during the Month of January, 1849.

Dry Thermometer.											
86·3 11·4	85·4 10·5	85·6 10·7	84·8 9·9	82·8 7·9	80·7 5·8	79·6 4·7	79·1 4·2	78·3 3·4	1542·4	81·2	
Wet Thermometer.											
80·0 7·0 ·933	79·5 6·5 ·923	79·3 6·3 ·913	79·6 6·6 ·934	78·3 5·3 ·900	77·2 4·2 ·877	76·8 3·8 ·873	76·3 3·3 ·858	75·7 2·7 ·843	1468·8	77·3 ·876	·876

TABLE C.

Observatory at Pulo Dinding.—Hourly observations

Astron. Mean Time of Station. }	12.	13.	14.	15.	16.	17.	18.	19.	20.	21.	22.	23.	0.
Dry Thermometer.													
Mean of 3 days	75·3	74·9	74·2	73·9	74·4	79·7	85·0	92·3	96·1	94·4
Diurnal variation	1·4	1·0	0·3	0·0	0·5	5·8	11·1	18·4	22·2	20·5
Wet Thermometer.													
Mean of 3 days	73·2	72·5	72·1	71·7	72·7	75·3	79·0	81·7	83·2	81·7
Diurnal variation	1·5	0·8	0·4	0·0	1·0	3·6	7·3	10·0	11·5	10·0
Tension of vapour	·780	·758	·751	·740	·771	·811	·905	·940	·966	·916

Observatory at Sarawak.—Hourly observations

Dry Thermometer.													
Mean of 26 days ...	77·0	76·6	76·3	76·1	75·9	75·9	75·5	76·0	77·5	79·8	82·2	84·0	85·4
Diurnal variation ...	1·5	1·1	0·8	0·6	0·4	0·4	0·0	0·5	2·0	4·3	6·7	8·5	9·9
Wet Thermometer.													
Mean of 26 days ...	76·5	76·3	76·1	75·9	75·7	75·6	75·3	75·7	76·8	78·2	79·1	79·6	80·1
Diurnal variation ...	1·2	1·0	0·8	0·6	0·4	0·3	0·0	0·4	1·5	2·9	3·8	4·3	4·8
Tension of vapour ...	·890	·887	·882	·877	·871	·867	·859	·869	·897	·930	·936	·943	·948

Observatory at Sarawak.—Hourly observations

Dry Thermometer.													
Mean of 27 days ...	76·6	76·3	76·0	75·7	75·5	75·4	74·8	75·1	76·4	78·6	80·5	82·4	83·9
Diurnal variation ...	1·8	1·5	1·2	0·9	0·7	0·6	0·0	0·3	1·6	3·8	5·7	7·6	9·1
Wet Thermometer.													
Mean of 27 days ...	76·0	75·8	75·5	75·2	75·1	74·9	74·6	74·9	75·8	77·2	77·9	78·5	78·8
Diurnal variation ...	1·4	1·2	0·9	0·6	0·5	0·3	0·0	0·3	1·2	2·6	3·3	3·9	4·2
Tension of vapour ...	·875	·870	·861	·853	·851	·846	·840	·849	·869	·901	·920	·913	·908

Observatory at Sarawak.—Hourly observations

Dry Thermometer.													
Mean of 19 days ...	76·2	75·9	75·6	75·4	75·2	74·9	74·6	74·8	76·1	78·6	80·7	82·6	84·3
Diurnal variation ...	1·6	1·3	1·0	0·8	0·6	0·3	0·0	0·2	1·5	4·0	6·1	8·0	9·7
Wet Thermometer.													
Mean of 19 days ...	75·5	75·3	75·0	74·8	74·7	74·4	74·2	74·5	75·4	76·7	77·6	78·2	78·7
Diurnal variation ...	1·3	1·1	0·8	0·6	0·5	0·2	0·0	0·3	1·2	2·5	3·4	4·0	4·5
Tension of vapour ...	·859	·854	·847	·841	·839	·830	·825	·836	·856	·880	·894	·898	·899

Observatory at Keemah.—Hourly observations

Dry Thermometer.													
Mean of 10 days ...	.....	.....	.....	74·0	73·7	73·4	73·0	75·7	82·4	85·3	88·6	90·1	91·6
Diurnal variation ...	.....	.....	.....	1·0	0·7	0·4	0·0	2·7	9·4	12·3	15·6	17·1	18·6
Wet Thermometer.													
Mean of 10 days ...	.....	.....	.....	72·4	72·2	71·9	71·3	73·9	77·3	79·4	81·2	82·3	83·4
Diurnal variation ...	.....	.....	.....	1·1	0·9	0·6	0·0	2·6	6·0	8·1	9·9	11·0	12·1
Tension of vapour ...	.....	.....	.....	·765	·761	·753	·736	·802	·862	·920	·959	·993	1·027

TABLE C.

made during the Month of January, 1849.

1.	2.	3.	4.	5.	6.	7.	8.	9.	10.	11.	Sums.	Means.	Tension of Vapour.
Dry Thermometer.													
95·7	92·4	90·3	87·0	83·0	79·3	78·2	77·9	77·2	.....	.....	1581·2	83·2	
21·8	18·5	16·4	13·1	9·1	5·4	4·3	4·0	3·3	.....	.....	
Wet Thermometer.													
83·1	81·5	82·3	79·4	77·8	75·5	74·9	74·1	74·4	.....	.....	1466·1	77·1	·844
11·4	9·8	10·6	7·7	6·1	3·8	3·2	2·4	2·7	.....	.....	
·967	·930	·996	·901	·876	·824	·813	·785	·804	.....	.....	.....	·844	

made during the Month of June, 1846.

Dry Thermometer.													
85·9	85·7	84·7	83·8	82·5	80·2	79·2	78·5	78·0	77·6	77·3	1911·6	79·6	
10·4	10·2	9·2	8·3	7·0	4·7	3·7	3·0	2·5	2·1	1·8			
Wet Thermometer.													
80·3	80·0	79·9	79·6	79·0	78·6	78·2	77·7	77·2	77·0	76·6	1865·0	77·7	·911
5·0	4·7	4·6	4·3	3·7	3·3	2·9	2·4	1·9	1·7	1·3			
·950	·940	·948	·946	·933	·942	·936	·923	·908	·904	·891	.....	·911	

made during the Month of July, 1846.

Dry Thermometer.													
84·1	84·6	83·5	83·1	82·1	80·2	78·4	77·8	77·5	77·1	76·8	1892·4	78·9	
9·3	9·8	8·7	8·3	7·3	5·4	3·6	3·0	2·7	2·3	2·0			
Wet Thermometer.													
78·8	78·9	78·8	79·0	78·4	78·4	77·4	76·9	76·6	76·4	76·1	1845·9	76·9	·885
4·2	4·3	4·2	4·4	3·8	3·8	2·8	2·3	2·0	1·8	1·5			
·906	·904	·913	·927	·912	·933	·912	·898	·889	·885	·876	.....	·885	

made during the Month of August, 1846.

Dry Thermometer.													
85·6	85·7	85·1	82·8	81·7	79·9	78·1	77·4	77·1	76·8	76·5	1891·6	78·8	
11·0	11·1	10·5	9·2	7·1	5·3	3·5	2·8	2·5	2·2	1·9			
Wet Thermometer.													
79·3	79·3	78·9	78·2	78·3	78·1	77·0	76·6	76·4	76·0	75·8	1838·9	76·6	·874
5·1	5·1	4·7	4·0	4·1	3·9	2·8	2·4	2·2	1·8	1·6			
·912	·911	·899	·896	·912	·924	·899	·890	·885	·873	·868	.....	·874	

made during the Month of June, 1848.

Dry Thermometer.													
87·1	85·6	84·6	83·7	81·5	79·8	78·6	77·7	77·0	.....	.....	1543·4	81·1	
14·1	12·6	11·6	10·7	8·5	6·8	5·6	4·7	4·0	.....	.....	
Wet Thermometer.													
80·1	80·0	79·2	78·5	77·9	77·0	76·3	75·5	75·0	.....	.....	1464·8	77·0	·865
8·8	8·7	7·9	7·2	6·6	5·7	5·0	4·2	3·7	.....	.....	
·929	·941	·920	·898	·897	·879	·864	·842	·832	.....	.....	.....	·865	

TABLE C.

Observatory at Pulo Peesang.—Hourly observations

Astron. Mean Time of Station. }	15.	16.	17.	18.	19.	20.	21.	22.	23.	0.	
Dry Thermometer.											
Mean of 5 days	75.9	75.1	75.3	76.1	77.1	80.1	84.3	87.1	88.6	
Diurnal variation	0.8	0.0	0.2	1.0	2.0	5.0	9.2	12.0	13.5	
Wet Thermometer.											
Mean of 5 days	75.4	74.9	75.0	75.7	76.2	77.9	79.9	80.6	80.5	
Diurnal variation	0.5	0.0	0.1	0.8	1.3	3.0	5.0	5.7	5.6	
Tension of vapour...858	.849	.851	.869	.877	.913	.952	.949	.928	

Observatory at Singapore.—Hourly observations

Dry Thermometer.											
Mean of 16 days ...	79.4	79.2	79.1	78.8	78.3	78.9	79.9	80.7	81.5	81.8	
Diurnal variation ...	1.1	0.9	0.8	0.5	0.0	0.6	1.6	2.4	3.2	3.5	
Wet Thermometer.											
Mean of 16 days ...	76.5	76.3	76.2	76.0	75.6	76.0	76.5	76.9	77.3	77.5	
Diurnal variation ...	0.9	0.7	0.6	0.4	0.0	0.4	0.9	1.3	1.7	1.9	
Tension of vapour...	.863	.857	.854	.850	.839	.849	.857	.865	.872	.877	

Observatory at Singapore.—Hourly observations

Dry Thermometer.											
Mean of 14 days ...	79.2	79.0	78.7	77.9	77.7	78.8	80.2	80.8	81.4	82.0	
Diurnal variation ...	1.5	1.3	1.0	0.2	0.0	1.1	2.5	3.1	3.7	4.3	
Wet Thermometer.											
Mean of 14 days ...	75.9	75.8	75.7	74.9	74.9	75.3	76.0	76.2	76.5	77.1	
Diurnal variation ...	1.0	0.9	0.8	0.0	0.0	0.4	1.1	1.3	1.6	2.2	
Tension of vapour ...	.841	.839	.839	.817	.819	.822	.835	.835	.840	.858	

Observatory at Carimon Island.—Hourly observations

Dry Thermometer.											
Mean of 6 days .....	.....	.....	76.9	76.3	78.7	81.8	84.3	86.1	89.1	88.5	
Diurnal variation ...	.....	.....	0.6	0.0	2.4	5.5	8.0	9.8	12.8	12.2	
Wet Thermometer.											
Mean of 6 days .....	.....	.....	75.3	75.2	76.6	77.9	78.9	79.3	80.5	80.0	
Diurnal variation ...	.....	.....	0.1	0.0	1.4	2.7	3.7	4.1	5.3	4.8	
Tension of vapour...	.....	.....	.843	.847	.875	.894	.908	.907	.922	.908	

Observatory at Padang.—Hourly observations

Dry Thermometer.											
Mean of 13 days ...	72.9	72.7	72.5	72.4	74.4	78.9	82.9	85.0	86.4	87.0	
Diurnal variation ...	0.5	0.3	0.1	0.0	2.0	6.5	10.5	12.6	14.0	14.6	
Wet Thermometer.											
Mean of 13 days ...	71.6	71.4	71.1	70.9	72.6	75.1	77.6	77.8	78.8	79.1	
Diurnal variation ...	0.7	0.5	0.2	0.0	1.7	4.2	6.7	6.9	7.9	8.2	
Tension of vapour...	.747	.743	.734	.728	.768	.813	.869	.853	.880	.888	

TABLE C.

made during the Month of January, 1846.

1.	2.	3.	4.	5.	6.	7.	8.	9.	Sums.	Means.	Tension of Vapour.
Dry Thermometer.											
88·8	84·8	82·4	81·8	79·3	78·2	78·0	78·1	77·2	1448·2	80·8	
13·7	9·7	7·3	6·7	4·2	3·1	2·9	3·0	2·1			
Wet Thermometer.											
80·9	79·4	78·5	78·8	77·7	76·9	77·0	76·8	76·4	1398·5	77·9	·905
6·0	4·5	3·6	3·9	2·8	2·0	2·1	1·9	1·5			
·942	·926	·913	·932	·914	·893	·900	·891	·884	.....	·905	

made during the Month of November, 1848.

Dry Thermometer.											
81·8	81·7	81·3	81·0	80·7	80·6	80·4	80·1	79·7	1524·9	80·3	
3·5	3·4	3·0	2·7	2·4	2·3	2·1	1·8	1·4			
Wet Thermometer.											
77·8	77·9	77·6	77·5	77·2	77·4	77·5	77·3	77·2	1462·2	76·9	·869
2·2	2·3	3·0	1·9	1·6	1·8	1·9	1·7	1·6			
·890	·895	·887	·886	·877	·886	·893	·888	·889	.....	·869	

made during the Month of December, 1848.

Dry Thermometer.											
81·9	81·2	81·2	81·1	80·5	80·2	80·1	79·9	79·6	1522·5	80·1	
4·2	3·5	3·5	3·4	2·8	2·5	2·4	2·2	1·9			
Wet Thermometer.											
77·2	76·7	76·9	76·6	76·3	76·5	76·7	76·6	76·4	1448·2	76·2	·843
2·3	1·8	2·0	1·7	1·4	1·6	1·8	1·7	1·5			
·864	·841	·857	·848	·843	·854	·863	·861	·857	.....	·843	

made during the Month of January, 1846.

Dry Thermometer.											
89·3	89·6	87·4	86·3	84·3	81·0	80·0	79·1	.....	1338·7	83·8	
13·0	13·3	11·1	10·0	8·0	4·7	3·7	2·8				
Wet Thermometer.											
80·5	80·9	79·7	79·5	78·7	77·7	76·9	76·2	.....	1253·8	78·4	·893
5·3	5·7	4·5	4·3	3·5	2·5	1·7	1·0				
·920	·933	·909	·913	·899	·894	·873	·854	.....	.....	·893	

made during the Month of October, 1847.

Dry Thermometer.											
86·7	86·5	84·8	82·8	80·5	78·7	77·3	75·8	75·2	1513·4	79·7	
14·3	14·1	12·4	10·4	8·1	6·3	4·9	3·4	2·8			
Wet Thermometer.											
79·1	79·1	78·4	77·8	77·2	76·1	75·2	74·2	74·0	1437·1	75·7	·828
8·2	8·2	7·5	6·9	6·3	5·2	4·3	3·3	3·1			
·892	·894	·881	·878	·880	·858	·835	·812	·812	.....	·828	

TABLE C.

Observatory at Padang.—Hourly observations

Astron. Mean Time of Station. }	12.	13.	14.	15.	16.	17.	18.	19.	20.	21.	22.	23.	0.	
Dry Thermometer.														
Mean of 26 days	73·4	73·1	72·9	72·9	74·8	79·4	83·0	85·0	86·7	88·2	
Diurnal variation	0·5	0·2	0·0	0·0	1·9	6·5	10·1	12·1	13·8	15·3	
Wet Thermometer.														
Mean of 26 days	72·0	71·8	71·7	71·6	72·9	75·6	77·5	78·1	78·8	79·8	
Diurnal variation	0·4	0·2	0·1	0·0	1·3	4·0	5·9	6·5	7·2	8·2	
Tension of vapour...	·757	·753	·751	·747	·775	·827	·864	·867	·876	·905	

Observatory at Padang.—Hourly observations

Dry Thermometer.														
Mean of 26 days ...	.....	.....	.....	73·7	73·4	73·1	73·1	74·3	78·6	83·0	85·8	87·5	89·9	
Diurnal variation ...	.....	.....	.....	0·6	0·3	0·0	0·0	1·2	5·5	9·9	12·7	14·4	16·8	
Wet Thermometer.														
Mean of 26 days ...	.....	.....	.....	71·9	71·6	71·4	71·4	72·4	75·3	77·5	78·7	79·5	80·2	
Diurnal variation ...	.....	.....	.....	0·5	0·2	0·0	0·0	1·0	3·9	6·1	7·3	8·1	8·8	
Tension of vapour...	.....	.....	.....	·749	·741	·739	·739	·761	·823	·888	·882	·899	·901	

Observatory at Padang.—Hourly observations

Dry Thermometer.														
Mean of 13 days ...	.....	.....	.....	73·8	73·5	73·3	73·3	74·2	78·5	82·9	84·9	87·2	88·7	
Diurnal variation ...	.....	.....	.....	0·5	0·2	0·0	0·0	0·9	5·2	9·6	11·6	13·9	15·4	
Wet Thermometer.														
Mean of 13 days ...	.....	.....	.....	72·4	72·1	71·9	72·0	72·6	75·2	77·9	78·6	79·9	80·7	
Diurnal variation ...	.....	.....	.....	0·5	0·2	0·0	0·1	0·7	3·3	6·0	6·7	8·0	8·8	
Tension of vapour...	.....	.....	.....	·767	·759	·754	·758	·770	·821	·881	·888	·919	·935	

Observatory at Poolo Bay.—Hourly observations

Dry Thermometer.														
Mean of 5 days ...	.....	.....	.....	73·4	73·2	72·0	73·0	76·0	79·1	81·7	84·3	84·9	85·6	
Diurnal variation ...	.....	.....	.....	1·4	1·2	0·0	1·0	4·0	7·1	9·7	12·3	12·9	13·6	
Wet Thermometer.														
Mean of 5 days ...	.....	.....	.....	73·8	73·5	73·3	73·3	75·5	77·1	78·3	79·2	79·5	80·1	
Diurnal variation ...	.....	.....	.....	0·5	0·2	0·0	0·0	2·2	3·8	5·0	5·9	6·2	6·8	
Tension of vapour...	.....	.....	.....	·820	·812	·806	·806	·861	·891	·913	·923	·929	·946	

Observatory at Batavia.—Hourly observations

Dry Thermometer.														
Mean of 19 days ...	77·0	76·6	76·3	75·9	75·7	75·5	75·1	77·0	79·5	82·2	84·3	85·9	86·7	
Diurnal variation ...	1·9	1·5	1·2	0·8	0·6	0·4	0·0	1·9	4·4	7·1	9·2	10·6	11·6	
Wet Thermometer.														
Mean of 19 days ...	75·5	75·3	75·0	74·8	74·7	74·5	74·4	75·5	76·7	77·7	78·0	78·7	79·2	
Diurnal variation ...	1·1	0·9	0·6	0·4	0·3	0·1	0·0	1·1	2·3	3·3	3·6	4·3	4·8	
Tension of vapour...	·850	·846	·839	·836	·834	·828	·828	·850	·870	·881	·870	·881	·896	

TABLE C.

made during the Month of November, 1847.

1.	2.	3.	4.	5.	6.	7.	8.	9.	10.	11.	Sums.	Means.	Tension of Vapour.
Dry Thermometer.													
88.1	86.9	85.2	83.6	81.4	79.1	77.8	76.8	75.9	.....	.....	1524.2	80.2	
15.2	14.0	12.3	10.7	8.5	6.2	4.9	3.9	3.0					
Wet Thermometer.													
79.7	79.5	78.8	78.2	77.1	76.1	75.8	75.0	74.5	.....	.....	1444.5	76.0	.835
8.1	7.9	7.2	6.6	5.5	4.5	4.2	3.4	2.9					
.901	.906	.893	.887	.865	.850	.853	.833	.823	.....	.....	.....	.835	

made during the Month of December, 1847.

Dry Thermometer.													
90.0	89.0	87.0	83.8	81.6	78.8	77.2	76.3	75.2	.....	.....	1531.3	80.6	
16.9	15.9	13.9	10.7	8.5	5.7	4.1	3.2	2.1					
Wet Thermometer.													
80.6	79.9	78.8	77.7	76.9	75.9	75.0	74.1	73.8	.....	.....	1442.6	75.9	.826
9.2	8.5	7.4	6.3	5.5	4.5	3.6	2.7	2.4					
.916	.898	.873	.863	.855	.846	.829	.803	.804	.....	.....	.....	.826	

made during the Month of January, 1848.

Dry Thermometer.													
90.9	89.6	87.8	85.8	83.2	79.5	78.0	76.5	75.7	.....	.....	1537.3	80.9	
17.6	16.3	14.5	12.5	9.9	6.2	4.7	3.2	2.4	.....	.....	
Wet Thermometer.													
81.5	80.7	80.4	79.8	78.3	76.7	76.1	75.4	74.8	.....	.....	1457.0	76.7	.855
9.6	8.8	8.5	7.9	6.4	4.8	4.2	3.5	2.9	.....	.....	
.947	.925	.933	.932	.905	.870	.862	.852	.838	.....	.....	.....	.855	

made during the Months of August and September, 1847.

Dry Thermometer.													
85.0	83.3	82.0	82.5	80.7	78.2	77.1	76.3	75.6	.....	.....	1504.9	79.3	
13.0	11.3	10.0	10.5	8.7	6.2	5.1	4.3	3.6	.....	.....	
Wet Thermometer.													
80.2	79.8	78.7	79.0	78.4	77.0	75.9	75.2	74.9	.....	.....	1462.7	77.0	.865
6.9	6.5	5.4	5.7	5.1	3.7	2.6	1.9	1.6	.....	.....	
.957	.960	.925	.933	.928	.897	.865	.847	.843	.....	.....	.....	.865	

made during the Month of November, 1846.

Dry Thermometer.													
86.2	86.4	85.3	84.3	82.4	80.1	79.6	78.9	78.4	78.0	77.6	1924.9	80.2	
11.1	11.3	10.2	9.2	7.3	5.0	4.5	3.8	1.3	2.9	2.5			
Wet Thermometer.													
78.8	79.0	78.9	78.3	78.0	77.3	77.2	76.8	76.5	76.4	76.0	1843.2	76.8	.866
4.4	4.6	4.5	3.9	3.6	2.9	2.8	2.4	2.1	2.0	1.6			
.882	.889	.896	.883	.892	.888	.890	.882	.874	.875	.864	.....	.866	

TABLE C.

Observatory at Batavia.—Hourly observations

Astron. Mean Time of Station. }	12.	13.	14.	15.	16.	17.	18.	19.	20.	21.	22.	23.	0.
Dry Thermometer.													
Mean of 26 days ...	77·0	76·6	76·3	76·0	75·6	75·4	75·3	76·6	79·2	82·0	84·2	85·3	84·8
Diurnal variation ...	1·7	1·3	1·0	0·7	0·3	0·1	0·0	1·3	3·9	6·7	8·9	10·0	9·5
Wet Thermometer.													
Mean of 26 days ...	75·5	75·3	75·2	75·0	74·8	74·6	74·5	75·3	76·7	77·8	78·3	78·8	78·5
Diurnal variation ...	1·0	0·8	0·7	0·5	0·3	0·1	0·0	0·8	2·2	3·3	3·8	4·3	4·0
Tension of vapour ...	·850	·846	·846	·843	·839	·833	·830	·846	·873	·887	·884	·892	·885

Observatory at Batavia.—Hourly observations

Dry Thermometer.													
Mean of 25 days ...	77·1	76·6	76·0	75·5	75·1	74·8	74·6	75·7	77·9	79·8	81·3	82·6	83·8
Diurnal variation ...	2·5	2·0	1·4	0·9	0·5	0·2	0·0	1·1	3·3	5·2	6·7	8·0	9·2
Wet Thermometer.													
Mean of 25 days ...	75·5	75·3	74·9	74·6	74·4	74·1	74·0	74·6	75·8	76·5	77·1	77·4	77·7
Diurnal variation ...	1·5	1·3	0·9	0·6	0·4	0·1	0·0	0·6	1·8	2·5	3·1	3·4	3·7
Tension of vapour ...	·849	·846	·839	·832	·828	·820	·825	·830	·852	·858	·866	·864	·863

Observatory at Batavia.—Hourly observations

Dry Thermometer.													
Mean of 24 days ...	76·9	76·7	76·3	76·1	76·0	75·8	75·6	76·1	77·5	79·7	81·2	82·6	83·8
Diurnal variation ...	1·3	1·1	0·7	0·5	0·4	0·2	0·0	0·5	1·9	4·1	5·6	7·0	8·2
Wet Thermometer.													
Mean of 24 days ...	75·8	75·8	75·5	75·4	75·2	75·0	74·8	75·2	76·3	77·1	77·6	78·0	78·2
Diurnal variation ...	1·0	1·0	0·7	0·6	0·4	0·2	0·0	0·4	1·5	2·3	2·8	3·2	3·4
Tension of vapour ...	·864	·866	·858	·855	·850	·845	·839	·849	·876	·884	·888	·890	·884

Observatory at Batavia.—Hourly observations

Dry Thermometer.													
Mean of 27 days ...	.....	.....	.....	77·3	76·8	76·3	76·1	76·8	78·8	81·2	83·0	84·2	85·1
Diurnal variation ...	.....	.....	.....	1·2	0·7	0·2	0·0	0·7	2·7	5·1	6·9	8·1	9·0
Wet Thermometer.													
Means of 27 days ...	.....	.....	.....	76·1	75·7	75·4	75·2	75·9	77·0	77·8	78·3	78·7	79·0
Diurnal variation ...	.....	.....	.....	0·9	0·5	0·2	0·0	0·7	1·8	2·6	3·1	3·5	3·8
Tension of vapour ...	.....	.....	.....	·870	·861	·854	·849	·869	·890	·896	·898	·901	·903

Observatory at Batavia.—Hourly observations

Dry Thermometer.													
Mean of 26 days ...	.....	.....	.....	76·7	76·0	75·4	75·0	76·3	78·9	81·9	84·1	85·2	86·1
Diurnal variation ...	.....	.....	.....	1·7	1·0	0·4	0·0	1·3	3·9	6·9	9·1	10·2	11·1
Wet Thermometer.													
Mean of 26 days ...	.....	.....	.....	75·8	75·1	74·6	74·5	75·5	76·8	78·2	78·8	79·1	79·3
Diurnal variation ...	.....	.....	.....	1·3	0·6	0·1	0·0	1·0	2·3	3·7	4·3	4·6	4·8
Tension of vapour ...	.....	.....	.....	·866	·846	·833	·823	·858	·881	·906	·906	·908	·907

TABLE C.

made during the Month of December, 1846.

1.	2.	3.	4.	5.	6.	7.	8.	9.	10.	11.	Sums.	Means.	Tension of Vapour.
Dry Thermometer.													
84·8	84·8	84·7	83·4	81·6	79·9	79·0	78·3	77·9	77·6	77·0	1913·3	79·7	
9·5	9·5	9·4	8·1	6·3	4·6	3·7	3·0	2·6	2·3	1·7			
Wet Thermometer.													
78·6	78·5	78·3	77·7	77·1	76·7	76·6	76·4	76·2	76·2	75·8	1838·4	76·5	·859
4·1	4·0	3·8	3·2	2·6	2·2	2·1	1·9	1·7	1·7	1·3			
·890	·885	·878	·867	·863	·866	·872	·871	·868	·871	·862	·859		

made during the Month of January, 1847.

Dry Thermometer.													
84·8	85·0	85·1	84·6	83·4	81·6	80·3	79·6	79·1	78·4	77·8	1910·5	79·8	
10·2	10·4	10·5	10·0	8·8	7·0	5·7	5·0	4·5	+3·8	3·2			
Wet Thermometer.													
78·2	78·2	78·3	78·1	77·8	77·0	76·8	76·7	76·5	76·3	76·0	1831·8	76·4	
4·2	4·2	4·3	4·1	3·8	3·0	2·8	2·7	2·5	2·3	2·0			
·73	·871	·874	·871	·871	·859	·865	·869	·858	·866	·859	.....	·854	

made during the Month of February, 1847.

Dry Thermometer.													
84·2	84·5	83·7	82·6	81·3	80·1	79·4	78·7	78·4	78·1	77·5	1902·8	79·5	
8·6	8·9	8·1	7·0	5·7	4·5	3·8	3·1	2·8	2·5	1·9			
Wet Thermometer.													
78·5	78·5	78·1	77·7	77·4	77·1	77·1	76·7	76·8	76·7	76·4	1840·9	76·8	·874
3·7	3·7	3·3	2·9	2·6	2·3	2·3	1·9	2·0	1·9	1·6			
·892	·889	·881	·876	·879	·880	·888	·879	·887	·886	·881	.....	·874	

made during the Month of March, 1847.

Dry Thermometer.													
85·7	85·7	85·8	85·1	83·7	81·6	80·7	79·8	78·9	.....	.....	1542·6	81·2	
9·6	9·6	9·7	9·0	7·6	5·5	4·6	3·7	2·8	.....	.....	
Wet Thermometer.													
79·1	79·4	79·4	79·1	78·5	77·9	77·5	77·2	76·5	.....	.....	1473·7	77·6	·888
3·9	4·2	4·2	3·9	3·3	2·7	2·3	2·0	1·3	.....	.....	
·903	·915	·914	·910	·898	·896	·889	·887	·869	.....	.....	.....	·888	

made during the Month of April, 1847.

Dry Thermometer.													
86·1	85·4	85·1	84·6	83·1	81·6	80·6	79·7	79·0	.....	.....	1540·8	81·1	
11·1	10·4	10·1	9·6	8·1	6·6	5·6	4·7	4·0	.....	.....	
Wet Thermometer.													
79·2	79·1	78·9	78·6	78·1	77·6	77·1	76·8	76·2	.....	.....	1469·3	77·3	·877
4·7	4·6	4·4	4·1	3·6	3·1	2·6	2·3	1·7	.....	.....	
·902	·907	·898	·892	·888	·883	·874	·872	·855	.....	.....		·877	

TABLE C.

Observatory at Batavia.—Hourly observations

Astron. Mean Time of Station. }	15.	16.	17.	18.	19.	20.	21.	22.	23.	0.	
	Dry Thermometer.										
Mean of 26 days ...	75.5	75.0	74.4	74.0	75.4	79.0	83.2	84.7	86.2	87.3	
Diurnal variation ...	1.5	1.0	0.4	0.0	1.4	5.0	9.2	10.7	12.2	13.3	
Wet Thermometer.											
Mean of 26 days ...	74.6	74.1	73.7	73.3	74.4	76.2	77.7	78.2	78.8	78.9	
Diurnal variation ...	1.3	0.8	0.4	0.0	1.1	2.9	4.4	4.9	5.5	5.6	
Tension of vapour ...	.832	.818	.810	.798	.825	.855	.869	.874	.882	.874	

Observatory at Batavia.—Hourly observations

Dry Thermometer.											
Mean of 26 days ...	74.6	74.1	73.6	73.2	74.6	78.0	82.5	84.9	86.3	87.1	
Diurnal variation ...	1.4	0.9	0.4	0.0	1.4	4.8	9.3	11.7	13.1	13.9	
Wet Thermometer.											
Mean of 26 days ...	73.6	73.2	72.7	72.5	73.3	74.9	76.8	77.0	77.3	77.8	
Diurnal variation ...	0.1	0.7	0.2	0.0	0.8	2.4	4.3	4.5	4.8	5.3	
Tension of vapour ...	.804	.794	.780	.777	.791	.816	.839	.821	.818	.829	

Observatory at Cocos Island.—Hourly observations made

Dry Thermometer.											
Mean of 27 days ...	77.5	77.4	77.4	77.1	77.5	78.8	80.6	81.9	83.5	83.8	
Diurnal variation ...	0.4	0.3	0.3	0.0	0.4	1.7	3.5	4.8	6.4	6.7	
Wet Thermometer.											
Mean of 27 days ...	73.6	73.6	73.6	73.5	73.7	74.5	75.7	76.4	77.5	77.6	
Diurnal variation ...	0.1	0.1	0.1	0.0	0.2	1.0	2.2	2.9	4.0	4.1	
Tension of vapour ...	.771	.772	.772	.771	.775	.790	.817	.830	.858	.859	

TABLE C.

made during the Month of May, 1847.

1.	2.	3.	4.	5.	6.	7.	8.	9.	Sums.	Means.	Tension of vapour.
Dry Thermometer.											
86.6 12.6	85.6 11.6	85.4 11.4	84.8 10.8	83.1 9.1	81.0 7.0	79.6 5.6	78.9 4.9	78.3 4.3	1538.0	80.9	
Wet Thermometer.											
78.9 5.6 .881	78.8 5.5 .889	78.6 5.3 .883	78.5 5.2 .885	77.9 4.6 .879	77.2 3.9 .874	77.0 3.7 .881	76.6 3.3 .873	76.3 3.0 .867	1459.7	76.8 .859	.859

made during the Month of June, 1847.

Dry Thermometer.											
87.2 14.0	86.7 13.5	86.1 12.9	84.5 11.3	83.0 9.8	80.6 7.4	79.6 6.4	78.7 5.5	78.2 5.0	1533.5	80.7	
Wet Thermometer.											
77.9 5.4 .832	77.8 5.3 .834	77.6 5.1 .833	77.1 4.6 .830	76.8 4.3 .835	76.2 3.7 .837	75.7 3.2 .828	75.4 2.9 .826	75.1 2.6 .821	1438.7	75.7 .817	.817

during the Months of August and September, 1848.

Dry Thermometer.											
83.0 5.9	82.1 5.0	80.8 3.8	79.8 2.8	78.8 1.8	78.2 1.2	78.0 1.0	78.1 1.1	77.9 0.9	1512.2	79.5	
Wet Thermometer.											
77.1 3.6 .847	76.8 3.3 .845	75.9 2.4 .823	75.3 1.8 .810	74.5 1.0 .790	74.2 0.7 .784	74.2 0.7 .785	74.1 0.6 .774	74.0 0.5 .782	1425.8	75.0 .803	.803

TABLE D.

Variation of the Barometer, corrected to 32°, at

Astron. Mean Time.	12.	13.	14.	15.	16.	17.	18.	19.	20.	21.	22.
	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.
Moulmein	·049	·044	·053	·063	·077	·102	·120	·131
Madras	·023	·022	·027	·032	·047	·064	·075	·073
Nicobar	·022	·024	·025	·026	·042	·066	·085	·098
Samboonga	·025	·029	·036	·045	·065	·083	·091	·090
Penang	·051	·048	·053	·061	·075	·096	·112	·106
Pulo Dinding	·037	·033	·034	·038	·041	·055	·069	·081
Sarawak	·093	·082	·065	·057	·051	·057	·069	·085	·100	·109	·107
Keemah	·031	·035	·040	·048	·066	·084	·087	·087
Pulo Peesang.....	·057	·056	·066	·088	·108	·111	·116
Singapore	·034	·036	·044	·058	·080	·098	·103	·098
Carimon.....	·065	·079	·100	·115	·118	·117
Padang	·038	·036	·042	·056	·078	·098	·103	·101
Bencoolen	·028	·028	·024	·030	·032	·053	·065	·062
Batavia, Winter.....	·078	·064	·052	·045	·046	·053	·068	·089	·110	·114	·107
Batavia, Spring	·037	·040	·055	·066	·083	·101	·108	·103
Cocos.....	·018	·016	·023	·036	·053	·069	·080	·076

Variation of the Barometer, corrected to 32°, at

June .....1846...	·084	·081	·062	·054	·049	·054	·065	·083	·097	·103	·102
July	·091	·077	·062	·055	·050	·053	·064	·081	·096	·103	·102
August	·103	·087	·071	·062	·055	·063	·077	·091	·106	·120	·116
Sums	·278	·245	·195	·171	·154	·170	·206	·255	·299	·326	·320
Means and Variation...	·093	·082	·065	·057	·051	·057	·069	·085	·100	·109	·107

Variation of the Barometer, corrected to 32°, at

October .....1847...	.....	.....	.....	·029	·031	·038	·052	·073	·095	·099	·104
November .....	.....	.....	.....	·041	·040	·048	·062	·085	·106	·111	·107
December .....	.....	.....	.....	·038	·032	·037	·048	·071	·088	·095	·090
January .....1848...	.....	.....	.....	·048	·044	·049	·067	·090	·107	·112	·106
Sums .....	.....	.....	.....	·156	·147	·172	·229	·319	·396	·417	·407
Means .....	.....	.....	.....	·039	·037	·043	·057	·079	·099	·104	·102
Variation .....	.....	.....	.....	·038	·036	·042	·056	·078	·098	·103	·101

Variation of the Barometer, corrected to 32°, at

November .....1848...	.....	.....	.....	·034	·037	·049	·061	·086	·103	·106	·102
December .....	.....	.....	.....	·035	·035	·040	·056	·074	·093	·100	·095
Means and Variation ...	.....	.....	.....	·034	·036	·044	·058	·080	·098	·103	·098

TABLE D.

various Stations in the Eastern Archipelago.

23.	Noon.	1.	2.	3.	4.	5.	6.	7.	8.	9.	10.	11.	Mean.
in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.
·121	·109	·087	·055	·019	·004	·000	·002	·013	·026	·037	.....	.....	·058
·064	·054	·040	·025	·011	·002	·000	·007	·017	·030	·043	.....	.....	·035
·087	·071	·043	·021	·002	·001	·000	·008	·021	·032	·044	.....	.....	·038
·079	·063	·044	·025	·008	·000	·015	·030	·048	·059	·075	.....	.....	·049
·103	·090	·071	·045	·011	·000	·019	·023	·031	·041	·053	.....	.....	·057
·081	·070	·057	·028	·004	·001	·000	·001	·006	·010	·021	.....	.....	·035
·091	·070	·044	·018	·001	·000	·006	·020	·044	·062	·085	·098	·099	·068
·073	·061	·039	·020	·008	·000	·010	·023	·044	·058	·075	.....	.....	·045
·083	·052	·030	·014	·001	·000	·009	·025	·035	·049	·061	.....	.....	·053
·084	·061	·037	·012	·000	·001	·013	·034	·052	·066	·073	.....	.....	·052
·106	·082	·062	·014	·004	·000	·005	·027	·032	·049	.....	.....	.....	·061
·087	·064	·038	·014	·000	·000	·011	·032	·051	·070	·080	.....	.....	·052
·051	·036	·026	·009	·000	·008	·013	·021	·033	·043	·050	.....	.....	·032
·091	·066	·041	·017	·001	·000	·012	·032	·052	·073	·088	·100	·095	·061
·088	·065	·042	·019	·000	·001	·010	·026	·038	·049	·060	.....	.....	·054
·064	·043	·027	·011	·000	·002	·012	·025	·044	·060	·071	.....	.....	·038

Sarawak in Borneo, Eastern Archipelago.

·085	·065	·041	·016	·000	·001	·008	·020	·039	·058	·074	·085	·086	·061
·086	·066	·042	·020	·004	·000	·002	·013	·032	·052	·079	·094	·093	·059
·102	·079	·049	·019	·000	·001	·008	·027	·060	·077	·102	·116	·118	·071
·273	·210	·132	·055	·004	·002	·018	·060	·131	·187	·255	·295	·297	·191
·091	·070	·044	·018	·001	·000	·006	·020	·044	·062	·085	·098	·099	·064

Padang in Sumatra, Eastern Archipelago.

·088	·063	·034	·010	·002	·000	·011	·035	·048	·065	·073	.....	.....	·050
·093	·066	·039	·017	·000	·003	·015	·038	·057	·075	·084	.....	.....	·057
·080	·060	·039	·016	·003	·000	·012	·026	·046	·071	·081	.....	.....	·050
·093	·070	·045	·018	·000	·002	·010	·035	·057	·072	·084	.....	.....	·057
·354	·259	·157	·061	·005	·005	·048	·134	·208	·283	·322	.....	.....	·214
·088	·065	·039	·015	·001	·001	·012	·033	·052	·071	·081	.....	.....	·053
·087	·064	·038	·014	·000	·000	·011	·032	·051	·070	·080	.....	.....	·052

Singapore, Eastern Archipelago.

·086	·061	·036	·012	·000	·002	·016	·043	·059	·069	·076	.....	.....	·054
·082	·062	·038	·013	·001	·000	·010	·026	·045	·064	·071	.....	.....	·050
·084	·061	·037	·012	·000	·001	·013	·034	·052	·066	·073	.....	.....	·052

TABLE D.

Variation of the Barometer, corrected to 32°, at

Astron. Mean Time.	12.	13.	14.	15.	16.	17.	18.	19.	20.	21.	22.
	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.
November .....1846...	·080	·066	·050	·045	·047	·053	·070	·091	·112	·114	·106
December	·081	·066	·055	·046	·046	·053	·068	·090	·119	·129	·122
January .....1847...	·066	·050	·041	·051	·055	·067	·082	·104	·117	·118	·111
February	·092	·081	·070	·046	·044	·046	·060	·079	·099	·103	·097
Sums	·319	·263	·216	·188	·192	·219	·280	·364	·447	·464	·436
Means	·080	·066	·054	·047	·048	·055	·070	·091	·112	·116	·109
Variation	·078	·064	·052	·045	·046	·053	·068	·089	·110	·114	·107

Variation of the Barometer, corrected to 32°, at

March .....1847...	.....	.....	.....	·051	·055	·059	·073	·095	·111	·121	·114
April .....	.....	.....	.....	·054	·054	·054	·062	·080	·099	·103	·101
May .....	.....	.....	.....	·040	·048	·056	·067	·080	·100	·109	·101
June .....	.....	.....	.....	·047	·049	·054	·066	·082	·098	·104	·100
Sums .....	.....	.....	.....	·192	·206	·223	·268	·337	·408	·437	·416
Means .....	.....	.....	.....	·038	·041	·056	·067	·084	·102	·109	·104
Variation .....	.....	.....	.....	·037	·040	·055	·066	·083	·101	·108	·103

Variation of the Gaseous Pressure at

Moulmein .....	.....	.....	.....	·039	·035	·066	·074	·047	·010	·017	·023
Madras .....	.....	.....	.....	·062	·074	·093	·110	·106	·131	·139	·146
Nicobar .....	.....	.....	.....	·187	·177	·180	·182	·166	·108	·115	·078
Sambooaanga .....	.....	.....	.....	·227	·230	·224	·245	·198	·147	·108	·124
Penang ... ..	.....	.....	.....	·176	·178	·199	·213	·206	·190	·133	·070
Pulo Dinding.....	.....	.....	.....	·244	·262	·270	·285	·257	·231	·151	·128
Sarawak.....	·140	·134	·124	·122	·120	·131	·150	·156	·148	·127	·112
Keemah .....	.....	.....	.....	·232	·240	·253	·278	·230	·188	·133	·094
Pulo Peesang.....	.....	.....	.....	.....	·131	·139	·147	·151	·163	·130	·096
Singapore .....	.....	.....	.....	·054	·059	·070	·096	·122	·134	·128	·120
Carimon.....	.....	.....	.....	.....	.....	·141	·151	·144	·140	·129	·129
Padang .....	.....	.....	.....	·178	·182	·192	·208	·205	·172	·123	·123
Bencoolen .....	.....	.....	.....	·159	·167	·169	·175	·122	·113	·103	·090
Batavia, Winter.....	·106	·095	·088	·085	·090	·103	·119	·127	·124	·118	·112
Batavia, Spring.....	.....	.....	.....	·085	·102	·117	·133	·129	·122	·112	·110
Cocos.....	.....	.....	.....	·081	·078	·085	·099	·112	·113	·097	·080

Variation of the Gaseous Pressure at

June .....1846...	·142	·142	·128	·125	·126	·135	·154	·162	·148	·121	·114
July	·143	·134	·128	·129	·126	·134	·151	·159	·154	·129	·109
August	·148	·137	·128	·125	·120	·137	·156	·159	·154	·144	·126
Means	·144	·138	·128	·126	·124	·135	·154	·160	·152	·131	·116
Variation	·140	·134	·124	·122	·120	·131	·150	·156	·148	·127	·112

TABLE D.

Batavia in Java, Eastern Archipelago.

23.	Noon.	1.	2.	3.	4.	5.	6.	7.	8.	9.	10.	11.	Mean.
in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.
·089	·065	·040	·017	·000	·008	·021	·041	·066	·088	·104	·103	·097	·065
·101	·067	·043	·017	·000	·001	·014	·036	·055	·090	·107	·110	·106	·067
·097	·077	·050	·024	·008	·000	·014	·032	·051	·061	·071	·079	·074	·063
·085	·065	·038	·017	·002	·000	·007	·025	·043	·060	·077	·115	·111	·058
·372	·274	·171	·075	·010	·009	·056	·134	·215	·299	·359	·407	·388	·253
·093	·068	·043	·019	·003	·002	·014	·034	·054	·075	·090	·102	·097	·063
·091	·066	·041	·017	·001	·000	·012	·032	·052	·073	·088	·100	·095	·061

Batavia in Java, Eastern Archipelago.

·102	·079	·055	·027	·004	·000	·009	·028	·040	·049	·062	.....	.....	·061
·086	·060	·039	·016	·000	·002	·011	·028	·036	·049	·060	.....	.....	·052
·085	·064	·044	·022	·001	·000	·012	·028	·041	·051	·062	.....	.....	·053
·082	·060	·035	·015	·000	·007	·011	·023	·040	·052	·060	.....	.....	·053
·355	·263	·173	·080	·005	·009	·043	·107	·157	·201	·244	.....	.....	·219
·089	·066	·043	·020	·001	·002	·011	·027	·039	·050	·061	.....	.....	·055
·088	·065	·042	·019	·000	·001	·010	·026	·038	·049	·060	.....	.....	·054

various Stations in the Eastern Archipelago.

·025	·008	·015	·044	·011	·002	·003	·005	·001	·000	·016	.....	.....	·023
·147	·136	·117	·093	·050	·010	·019	·019	·000	·008	·022	.....	.....	·079
·083	·061	·006	·027	·000	·000	·017	·051	·095	·112	·150	.....	.....	·094
·144	·094	·069	·008	·009	·000	·053	·086	·126	·161	·187	.....	.....	·130
·053	·065	·072	·056	·032	·000	·053	·080	·092	·117	·144	.....	.....	·112
·102	·141	·077	·085	·000	·087	·111	·164	·180	·212	·204	.....	.....	·168
·099	·074	·042	·022	·002	·000	·006	·029	·050	·081	·113	·133	·143	·096
·046	·000	·076	·045	·054	·068	·079	·110	·146	·182	·209	.....	.....	·146
·066	·056	·020	·020	·020	·000	·027	·034	·067	·090	·109	.....	.....	·080
·100	·065	·031	·016	·000	·005	·025	·036	·046	·063	·072	.....	.....	·066
·103	·093	·061	·000	·014	·006	·025	·052	·078	·114	.....	.....	.....	·087
·089	·051	·020	·003	·000	·005	·030	·071	·101	·140	·155	.....	.....	·111
·073	·041	·020	·000	·026	·026	·036	·075	·119	·147	·158	.....	.....	·096
·091	·066	·038	·015	·000	·008	·018	·040	·057	·079	·098	·107	·110	·078
·092	·068	·044	·014	·000	·003	·016	·035	·052	·066	·088	.....	.....	·075
·040	·018	·014	·000	·011	·026	·056	·075	·093	·120	·123	.....	.....	·070

Sarawak in Borneo.

·100	·065	·039	·024	·000	·003	·023	·026	·051	·083	·114	·129	·143	·098
·100	·085	·063	·043	·018	·000	·017	·007	·047	·081	·117	·136	·144	·101
·108	·084	·041	·012	·005	·009	·000	·007	·065	·091	·121	·147	·154	·100
·103	·078	·046	·026	·006	·004	·010	·013	·054	·085	·117	·137	·147	·100
·099	·074	·042	·022	·002	·000	·006	·009	·050	·081	·113	·133	·143	·096

TABLE D.

Variation of the Gaseous

Astron. Mean Time.	12.	13.	14.	15.	16.	17.	18.	19.	20.	21.	22.
	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.
October.....1847...	·166	·172	·188	·208	·189	·166	·114	·135
November	·177	·180	·190	·208	·203	·172	·140	·133
December	·171	·173	·180	·191	·192	·147	·089	·090
January .....1848...	·214	·218	·228	·242	·253	·219	·164	·151
Sums	·728	·743	·786	·849	·837	·704	·507	·509
Means	·182	·186	·196	·212	·209	·176	·127	·127
Variation	·178	·182	·192	·208	·205	·172	·123	·123

Variation of the Gaseous

November .....1848...	.....	.....	.....	·058	·067	·082	·098	·134	·141	·136	·124
December .....	.....	.....	.....	·050	·052	·057	·095	·111	·127	·121	·116
Means and Variation .	.....	.....	.....	·054	·059	·070	·096	·122	·134	·128	·120

Variation of the Gaseous

November .....1846...	·126	·116	·107	·105	·109	·121	·138	·137	·138	·129	·132
December	·109	·098	·087	·081	·085	·098	·116	·122	·124	·120	·116
January .....1847...	·088	·075	·073	·090	·098	·118	·128	·145	·136	·131	·116
February	·107	·094	·091	·070	·073	·080	·100	·109	·102	·098	·088
Sums	·430	·383	·358	·346	·365	·417	·482	·513	·500	·478	·452
Means	·107	·096	·089	·086	·091	·104	·120	·128	·125	·119	·113
Variation	·106	·095	·088	·085	·090	·103	·119	·127	·124	·118	·112

Variation of the Gaseous

March .....1847...	.....	.....	.....	·091	·104	·115	·134	·136	·131	·135	·126
April .....	.....	.....	.....	·086	·106	·119	·127	·120	·116	·095	·093
May .....	.....	.....	.....	·093	·115	·131	·154	·140	·130	·125	·112
June .....	.....	.....	.....	·076	·088	·107	·122	·124	·115	·098	·112
Sums .....	.....	.....	.....	·346	·413	·472	·537	·520	·492	·453	·443
Means .....	.....	.....	.....	·086	·103	·118	·134	·130	·123	·113	·111
Variation .....	.....	.....	.....	·085	·102	·117	·133	·129	·122	·112	·110

TABLE D.

Pressure at Padang in Sumatra, Eastern Archipelago.

23.	Noon.	1.	2.	3.	4.	5.	6.	7.	8.	9.	10.	11.	Mean.
in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	n.	in.
·092	·059	·026	·000	·005	·006	·015	·061	·097	·137	·145	.....	.....	·106
·110	·054	·031	·004	·000	·009	·043	·081	·097	·135	·154	.....	.....	·115
·063	·041	·005	·000	·012	·019	·039	·062	·099	·150	·159	.....	.....	·106
·107	·068	·031	·026	·000	·003	·038	·098	·128	·153	·179	.....	.....	·135
·372	·222	·093	·030	·017	·037	·135	·302	·421	·575	·637	.....	.....	·462
·093	·055	·024	·007	·004	·009	·034	·075	·105	·144	·159	.....	.....	·115
·089	·051	·020	·003	·000	·005	·030	·071	·101	·140	·155	.....	.....	·111

Pressure Vapour at Singapore.

·101	·071	·033	·004	·000	·003	·026	·044	·053	·068	·074	.....	.....	·071
·098	·060	·060	·028	·000	·008	·023	·028	·038	·059	·070	.....	.....	·062
·100	·065	·031	·016	·000	·005	·025	·036	·046	·063	·072	.....	.....	·066

Pressure at Batavia.—Winter.

·104	·065	·054	·024	·000	·021	·025	·049	·079	·102	·126	·124	·129	·094
·087	·060	·031	·010	·000	·012	·029	·048	·061	·097	·117	·117	·122	·081
·104	·085	·048	·024	·005	·000	·014	·044	·057	·063	·084	·084	·086	·080
·074	·060	·025	·007	·000	·003	·007	·024	·034	·060	·069	·108	·109	·063
·369	·270	·158	·065	·005	·036	·075	·165	·231	·322	·396	·433	·446	·318
·092	·067	·039	·016	·001	·009	·019	·041	·058	·080	·099	·108	·111	·079
·091	·066	·038	·015	·000	·008	·018	·040	·057	·079	·098	·107	·110	·078

Pressure at Batavia.—Spring.

·111	·086	·062	·022	·000	·000	·021	·042	·061	·072	·103	.....	.....	·083
·076	·051	·035	·007	·000	·008	·021	·043	·060	·075	·103	.....	.....	·073
·088	·075	·048	·018	·003	·000	·018	·039	·045	·063	·080	.....	.....	·079
·097	·064	·036	·014	·000	·010	·009	·019	·045	·059	·072	.....	.....	·068
·372	·276	·181	·061	·003	·018	·069	·143	·211	·269	·358	.....	.....	·303
·093	·069	·045	·015	·001	·004	·017	·036	·053	·067	·089	.....	.....	·076
·092	·068	·044	·014	·000	·003	·016	·035	·052	·066	·088	.....	.....	·075

TABLE D.

Observatory at Moulmein.—Hourly observations

Astron. Mean Time of Station. }	12.	13.	14.	15.	16.	17.	18.	19.	20.	21.	22.	
Portable Barometer, 28 English												
Mean of 7 days	1·863	1·858	1·866	1·876	1·895	1·938	1·965	1·986	
Barom. corr. to 32°	1·755	1·750	1·759	1·769	1·783	1·808	1·826	1·837	
Gaseous pressure	0·929	0·925	0·956	0·964	0·937	0·900	0·907	0·913	

Observatory at Madras.—Hourly observations

Portable Barometer, 28 English												
Mean of 34 days ...	.....	.....	.....	1·780	1·779	1·783	1·787	1·804	1·830	1·852	1·857	
Barom. corr. to 32° ...	.....	.....	.....	1·668	1·667	1·672	1·677	1·692	1·709	1·720	1·718	
Gaseous pressure ...	.....	.....	.....	0·858	0·870	0·889	0·906	0·902	0·927	0·935	0·942	

Observatory at Car Nicobar.—Hourly observations

Portable Barometer, 28 English												
Mean of 5 days .....	.....	.....	.....	2·017	2·019	2·020	2·022	2·040	2·074	2·101	2·122	
Barom. corr. to 32° ...	.....	.....	.....	1·918	1·920	1·921	1·922	1·938	1·962	1·981	1·994	
Gaseous pressure ...	.....	.....	.....	1·168	1·158	1·161	1·163	1·147	1·089	1·096	1·059	

Observatory at Samboonga.—Hourly observations

Standard Barometer, 28 English												
Mean of 6 days .....	.....	.....	.....	1·957	1·960	1·967	1·976	2·004	2·035	2·051	2·053	
Barom. corr. to 32° ...	.....	.....	.....	1·837	1·841	1·848	1·857	1·877	1·895	1·903	1·902	
Gaseous pressure ...	.....	.....	.....	1·077	1·080	1·074	1·095	1·048	0·997	0·958	0·974	

Observatory at Penang.—Hourly observations

Portable Barometer, 28 English												
Mean of 3 days .....	.....	.....	.....	1·986	1·981	1·983	1·991	2·007	2·031	2·055	2·057	
Barom. corr. to 32° ...	.....	.....	.....	1·876	1·873	1·878	1·886	1·900	1·921	1·937	1·931	
Gaseous pressure ...	.....	.....	.....	1·067	1·069	1·090	1·104	1·097	1·081	1·024	0·961	

Observatory at Pulo Dinding.—Hourly observations

Portable Barometer, 28 English												
Mean of 2 days .....	.....	.....	.....	2·099	2·092	2·091	2·093	2·096	2·117	2·142	2·165	
Barom. corr. to 32° ...	.....	.....	.....	1·992	1·988	1·989	1·993	1·996	2·010	2·024	2·036	
Gaseous pressure ...	.....	.....	.....	1·212	1·230	1·238	1·253	1·225	1·199	1·119	1·096	

Observatory at Sarawak.—Hourly observations

Standard Barometer, 28 English												
Mean of 26 days ...	2·018	2·005	1·993	1·985	1·980	1·985	1·994	2·012	2·028	2·040	2·044	
Barom. corr. to 32° ...	1·891	1·888	1·869	1·861	1·856	1·861	1·872	1·890	1·904	1·910	1·909	
Gaseous pressure ...	1·001	1·001	0·987	0·984	0·985	0·994	1·013	1·021	1·007	0·980	0·973	

TABLE D,

made during the Month of April, 1849.

	23.	0.	1.	2.	3.	4.	5.	6.	7.	8.	9.	10.	11.
inches + the numbers in the Table.													
	1·987	1·981	1·961	1·929	1·889	1·870	1·861	1·847	1·846	1·853	1·862		
	1·827	1·815	1·793	1·761	1·725	1·710	1·706	1·708	1·719	1·732	1·743		
	0·915	0·898	0·905	0·934	0·901	0·892	0·893	0·895	0·891	0·890	0·906		

made during the Months of August and September, 1849.

inches + the numbers in the Table.													
	1·853	1·846	1·834	1·819	1·801	1·788	1·781	1·781	1·786	1·797	1·808		
	1·709	1·699	1·685	1·670	1·656	1·647	1·645	1·652	1·662	1·675	1·688		
	0·943	0·932	0·913	0·889	0·846	0·806	0·815	0·815	0·796	0·804	0·818		

made during the Month of February, 1849.

inches + the numbers in the Table.													
	2·117	2·102	2·075	2·050	2·029	2·026	2·023	2·023	2·030	2·038	2·047		
	1·983	1·967	1·939	1·917	1·898	1·897	1·896	1·904	1·917	1·928	1·940		
	1·064	1·042	0·987	1·008	0·981	0·981	0·998	1·032	1·076	1·093	1·131		

made during the Month of May, 1848.

inches + the numbers in the Table.													
	2·039	2·026	2·012	1·994	1·979	1·968	1·978	1·988	2·000	2·009	2·019		
	1·891	1·875	1·856	1·837	1·820	1·812	1·827	1·842	1·860	1·871	1·887		
	0·994	0·944	0·919	0·858	0·859	0·850	0·903	0·936	0·976	1·011	1·037		

made during the Month of January, 1849.

inches + the numbers in the Table.													
	2·062	2·051	2·030	2·004	1·971	1·959	1·975	1·974	1·976	1·984	1·993		
	1·928	1·915	1·896	1·870	1·836	1·825	1·844	1·848	1·856	1·866	1·878		
	0·944	0·956	0·963	0·947	0·923	0·891	0·944	0·971	0·983	1·008	1·035		

made during the Month of January, 1849.

inches + the numbers in the Table.													
	2·177	2·173	2·160	2·124	2·098	2·087	2·079	2·075	2·073	2·076	2·086		
	2·036	2·025	2·012	1·983	1·959	1·956	1·955	1·956	1·961	1·965	1·976		
	1·070	1·109	1·045	1·053	0·968	1·055	1·079	1·132	1·148	1·180	1·172		

made during the Month of June, 1846.

inches + the numbers in the Table.													
	2·032	2·015	1·994	1·970	1·953	1·951	1·955	1·965	1·978	1·995	2·011	2·019	2·020
	1·892	1·872	1·848	1·823	1·807	1·808	1·815	1·827	1·846	1·865	1·881	1·892	1·893
	0·959	0·924	0·898	0·883	0·859	0·862	0·882	0·885	0·910	0·942	0·973	0·988	1·002

TABLE D.

Observatory at Sarawak.—Hourly observations

Astron. Mean Time of Station. }	12.	13.	14.	15.	16.	17.	18.	19.	20.	21.	22.	
Standard Barometer, 28 English												
Mean of 27 days ...	2·013	1·998	1·983	1·974	1·969	1·972	1·983	1·998	2·015	2·027	2·029	
Barom. corr. to 32° ...	1·888	1·874	1·859	1·852	1·847	1·850	1·861	1·878	1·893	1·900	1·899	
Gaseous pressure ...	1·013	1·004	0·998	0·999	0·996	1·004	1·021	1·029	1·024	0·999	0·979	

Observatory at Sarawak.—Hourly observations

Standard Barometer, 28 English												
Mean of 19 days ...	2·034	2·017	2·000	1·991	1·984	1·990	2·003	2·017	2·035	2·051	2·053	
Barom. corr. to 32° ...	1·910	1·894	1·878	1·869	1·862	1·870	1·884	1·898	1·913	1·927	1·923	
Gaseous pressure ...	1·051	1·040	1·031	1·028	1·023	1·040	1·059	1·062	1·057	1·047	1·029	

Observatory at Keemah.—Hourly observations

Standard Barometer, 28 English												
Mean of 10 days ...	.....	.....	.....	1·980	1·981	1·986	1·994	2·016	2·049	2·060	2·068	
Barom. corr. to 32° ...	.....	.....	.....	1·861	1·865	1·870	1·878	1·896	1·914	1·917	1·917	
Gaseous pressure ...	.....	.....	.....	1·096	1·104	1·117	1·142	1·094	1·052	0·997	0·958	

Observatory at Pulo Peesang.—Hourly observations

Standard Barometer, 28 English												
Mean of 5 days .....	.....	.....	.....	.....	2·066	2·064	2·074	2·100	2·125	2·137	2·162	
Barom. corr. to 32° ...	.....	.....	.....	.....	1·962	1·961	1·971	1·993	2·013	2·016	2·021	
Gaseous pressure ...	.....	.....	.....	.....	1·104	1·112	1·120	1·124	1·136	1·103	1·069	

Observatory at Singapore.—Hourly observations

Standard Barometer, 28 English												
Mean of 16 days ...	.....	.....	.....	2·026	2·029	2·041	2·053	2·075	2·092	2·098	2·097	
Barom. corr. to 32° ...	.....	.....	.....	1·891	1·894	1·906	1·918	1·943	1·960	1·963	1·959	
Gaseous pressure ...	.....	.....	.....	1·028	1·037	1·052	1·068	1·104	1·111	1·106	1·094	

Observatory at Singapore.—Hourly observations

Standard Barometer, 28 English												
Mean of 14 days ...	.....	.....	.....	2·017	2·017	2·022	2·036	2·053	2·073	2·083	2·082	
Barom. corr. to 32° ...	.....	.....	.....	1·887	1·887	1·892	1·908	1·926	1·945	1·952	1·947	
Gaseous pressure ...	.....	.....	.....	1·046	1·048	1·053	1·091	1·107	1·123	1·117	1·112	

Observatory at Carimon Island.—Hourly observations

Standard Barometer, 28 English												
Mean of 6 days .....	.....	.....	.....	.....	.....	2·075	2·089	2·116	2·146	2·152	2·153	
Barom. corr. to 32° ...	.....	.....	.....	.....	.....	1·968	1·982	2·003	2·018	2·021	2·020	
Gaseous pressure ...	.....	.....	.....	.....	.....	1·125	1·235	1·128	1·124	1·113	1·113	

TABLE D.

made during the Month of July, 1846.

	23.	0.	1.	2.	3.	4.	5.	6.	7.	8.	9.	10.	11.
inches + the numbers in the Table.													
	2·018	2·003	1·982	1·960	1·944	1·937	1·939	1·946	1·961	1·979	2·003	2·018	2·017
	1·883	1·863	1·839	1·817	1·801	1·797	1·799	1·810	1·829	1·849	1·876	1·891	1·890
	0·970	0·955	0·933	0·913	0·888	0·870	0·887	0·877	0·917	0·951	0·987	1·006	1·014

made during the Month of August, 1846.

inches + the numbers in the Table.													
	2·044	2·026	2·000	1·972	1·953	1·949	1·953	1·969	1·997	2·011	2·036	2·048	2·049
	1·909	1·886	1·856	1·826	1·807	1·808	1·815	1·834	1·867	1·884	1·909	1·923	1·925
	1·011	0·987	0·944	0·915	0·908	0·912	0·903	0·910	0·968	0·994	1·024	1·050	1·057

made during the Month of June, 1848.

inches + the numbers in the Table.													
	2·062	2·052	2·028	2·001	1·984	1·976	1·981	1·991	2·006	2·018	2·030		
	1·903	1·891	1·869	1·850	1·838	1·830	1·840	1·853	1·874	1·888	1·905		
	0·910	0·864	0·940	0·909	0·918	0·932	0·943	0·974	1·010	1·046	1·073		

made during the Month of January, 1846.

inches + the numbers in the Table.													
	2·124	2·097	2·074	2·052	2·030	2·031	2·030	2·037	2·047	2·062	2·072		
	1·988	1·957	1·935	1·919	1·906	1·905	1·914	1·930	1·940	1·954	1·966		
	1·039	1·029	0·993	0·993	0·993	0·973	1·000	1·037	1·040	1·063	1·082		

made during the Month of November, 1848.

inches + the numbers in the Table.													
	2·081	2·058	2·033	2·009	1·997	1·998	2·011	2·038	2·054	2·064	2·068		
	1·943	1·918	1·893	1·869	1·857	1·859	1·873	1·900	1·916	1·926	1·933		
	1·071	1·041	1·003	0·974	0·970	0·973	0·996	1·014	1·023	1·038	1·044		

made during the Month of December, 1848.

inches + the numbers in the Table.													
	2·069	2·050	2·027	2·002	1·989	1·987	1·997	2·010	2·029	2·048	2·055		
	1·934	1·914	1·890	1·865	1·853	1·852	1·862	1·878	1·897	1·916	1·923		
	1·094	1·056	1·026	1·024	0·996	1·004	1·019	1·024	1·034	1·055	1·066		

made during the Month of January, 1846.

inches + the numbers in the Table.													
	2·143	2·124	2·105	2·058	2·046	2·039	2·043	2·053	2·052	2·064			
	2·009	1·985	1·965	1·917	1·907	1·903	1·908	1·930	1·935	1·952			
	1·087	1·077	1·045	0·954	0·998	0·990	1·009	1·136	1·062	1·098			

TABLE D.

Observatory at Padang.—Hourly observations

Astron. Mean Time of Station. }	12.	13.	14.	15.	16.	17.	18.	19.	20.	21.	22.
Standard Barometer, 28 English											
Mean of 13 days	2.004	2.006	2.013	2.027	2.050	2.080	2.098	2.111
Barom. corr. to 32°	1.890	1.892	1.899	1.913	1.934	1.956	1.960	1.965
Gaseous pressure	1.143	1.149	1.165	1.185	1.166	1.143	1.091	1.112

Observatory at Padang.—Hourly observations

Standard Barometer, 28 English											
Mean of 26 days ...	.....	.....	.....	2.004	2.003	2.009	2.023	2.048	2.077	2.096	2.100
Barom. corr. to 32° ...	.....	.....	.....	1.888	1.887	1.895	1.909	1.932	1.953	1.958	1.954
Gaseous pressure ...	.....	.....	.....	1.131	1.134	1.144	1.162	1.157	1.126	1.094	1.087

Observatory at Padang.—Hourly observations

Standard Barometer, 28 English											
Mean of 26 days ...	.....	.....	.....	1.970	1.967	1.972	1.983	2.006	2.031	2.049	2.055
Barom. corr. to 32° ...	.....	.....	.....	1.857	1.851	1.856	1.867	1.890	1.907	1.914	1.909
Gaseous pressure ...	.....	.....	.....	1.108	1.110	1.117	1.128	1.129	1.084	1.026	1.027

Observatory at Pedang.—Hourly observations

Standard Barometer, 28 English											
Mean of 13 days ...	.....	.....	.....	1.985	1.981	1.986	2.004	2.027	2.052	2.068	2.070
Barom. corr. to 32° ...	.....	.....	.....	1.869	1.865	1.870	1.888	1.911	1.928	1.933	1.927
Gaseous pressure ...	.....	.....	.....	1.102	1.106	1.116	1.130	1.141	1.107	1.052	1.039

Observatory at Poolo Bay.—Hourly observations

Portable Barometer, 28 English											
Mean of 5 days .....	.....	.....	.....	1.954	1.952	1.948	1.954	1.962	1.990	2.010	2.015
Barom. corr. to 32° ...	.....	.....	.....	1.855	1.855	1.851	1.857	1.859	1.880	1.892	1.889
Gaseous pressure ...	.....	.....	.....	1.035	1.043	1.045	1.051	0.998	0.989	0.979	0.966

Observatory at Batavia.—Hourly observations

Standard Barometer, 28 English											
Mean of 19 days ...	2.000	1.983	1.967	1.961	1.962	1.968	1.985	2.006	2.032	2.042	2.039
Barom. corr. to 32° ...	1.873	1.859	1.843	1.838	1.840	1.846	1.863	1.884	1.905	1.907	1.899
Gaseous pressure ...	1.023	1.013	1.004	1.002	1.006	1.018	1.035	1.034	1.035	1.026	1.029

Observatory at Batavia.—Hourly observations

Standard Barometer, 28 English											
Mean of 26 days ...	1.999	1.984	1.973	1.963	1.962	1.969	1.984	2.007	2.040	2.058	2.056
Barom. corr. to 32° ...	1.875	1.860	1.849	1.840	1.840	1.847	1.862	1.884	1.913	1.923	1.916
Gaseous pressure ...	1.025	1.014	1.003	0.997	1.001	1.014	1.032	1.038	1.040	1.036	1.032

TABLE D.

made during the Month of October, 1847.

	23.	0.	1.	2.	3.	4.	5.	6.	7.	8.	9.	10.	11.
inches + the numbers in the Table.													
	2·103	2·080	2·051	2·027	2·017	2·009	2·015	2·031	2·039	2·050	2·056	.....	.....
	1·949	1·924	1·895	1·871	1·863	1·861	1·872	1·896	1·909	1·926	1·934	.....	.....
	1·069	1·036	1·003	0·977	0·982	0·983	0·992	1·038	1·074	1·114	1·122	.....	.....

made during the Month of November, 1847.

inches + the numbers in the Table.													
	2·091	2·069	2·045	2·020	2·001	1·998	2·005	2·020	2·034	2·049	2·055		
	1·940	1·913	1·886	1·864	1·847	1·850	1·862	1·885	1·904	1·922	1·931		
	1·064	1·008	0·985	0·958	0·954	0·963	0·997	1·035	1·051	1·089	1·108		

made during the Month of December, 1847.

inches + the numbers in the Table.													
	2·050	2·038	2·019	1·996	1·978	1·970	1·974	1·983	1·995	2·014	2·022		
	1·899	1·879	1·858	1·835	1·822	1·819	1·831	1·845	1·865	1·890	1·900		
	1·000	0·978	0·942	0·937	0·949	0·956	0·976	0·999	1·036	1·087	1·096		

made during the Month of January, 1848.

inches + the numbers in the Table.													
	2·065	2·047	2·027	2·000	1·980	1·977	1·979	1·996	2·010	2·020	2·029		
	1·914	1·891	1·866	1·839	1·821	1·823	1·831	1·856	1·878	1·893	1·905		
	0·995	0·956	0·919	0·914	0·888	0·891	0·926	0·986	1·016	1·041	1·067		

made during the Months of August and September, 1847.

inches + the numbers in the Table.													
	2·006	1·994	1·982	1·960	1·948	1·955	1·958	1·960	1·970	1·975	1·980	.....	.....
	1·878	1·863	1·853	1·836	1·827	1·835	1·840	1·848	1·860	1·870	1·877	.....	.....
	0·949	0·917	0·896	0·876	0·902	0·902	0·912	0·951	0·995	1·023	1·034	.....	.....

made during the Month of November, 1846.

inches + the numbers in the Table.													
	2·028	2·007	1·983	1·959	1·941	1·947	1·955	1·972	1·994	2·013	2·027	2·026	2·017
	1·882	1·858	1·833	1·810	1·793	1·801	1·814	1·834	1·859	1·881	1·897	1·896	1·890
	1·001	0·962	0·951	0·921	0·897	0·918	0·922	0·946	0·969	0·999	1·023	1·021	1·026

made during the Month of December, 1846.

inches + the numbers in the Table.													
	2·041	2·007	1·984	1·957	1·940	1·938	1·948	1·965	1·981	2·014	2·031	2·031	2·027
	1·895	1·861	1·837	1·811	1·794	1·795	1·808	1·830	1·849	1·884	1·901	1·904	1·900
	1·003	0·976	0·947	0·926	0·916	0·928	0·945	0·964	0·977	1·013	1·033	1·033	1·038

TABLE D.

Observatory at Batavia.—Hourly observations

Astron. Mean Time of Station. }	12.	13.	14.	15.	16.	17.	18.	19.	20.	21.	22.	
Standard Barometer, 28 English												
Mean of 25 days ...	1·997	1·979	1·969	1·977	1·981	1·992	2·007	2·029	2·045	2·052	2·050	
Barom. corr. to 32° ...	1·870	1·854	1·845	1·855	1·859	1·871	1·886	1·908	1·921	1·922	1·915	
Gaseous pressure ...	1·021	1·008	1·006	1·023	1·031	1·051	1·061	1·078	1·069	1·064	1·049	

Observatory at Batavia.—Hourly observations

Standard Barometer, 28 English												
Mean of 24 days ...	2·018	2·006	1·994	1·970	1·968	1·969	1·982	2·001	2·023	2·033	2·032	
Barom. corr. to 32° ...	1·892	1·881	1·870	1·846	1·844	1·846	1·860	1·879	1·899	1·903	1·897	
Gaseous pressure ...	1·028	1·015	1·012	0·991	0·994	1·001	1·021	1·030	1·023	1·019	1·009	

Observatory at Batavia.—Hourly observations

Standard Barometer, 28 English												
Mean of 27 days ...	.....	.....	.....	1·993	1·994	1·998	2·012	2·034	2·053	2·068	2·067	
Barom. corr. to 32° ...	.....	.....	.....	1·866	1·870	1·874	1·888	1·910	1·926	1·936	1·929	
Gaseous pressure ...	.....	.....	.....	0·996	1·009	1·020	1·039	1·041	1·036	1·040	1·031	

Observatory at Batavia.—Hourly observations

Standard Barometer, 28 English												
Mean of 26 days ...	.....	.....	.....	1·999	1·998	1·997	2·004	2·024	2·046	2·058	2·061	
Barom. corr. to 32° ...	.....	.....	.....	1·874	1·874	1·874	1·882	1·900	1·919	1·923	1·921	
Gaseous pressure ...	.....	.....	.....	1·008	1·028	1·041	1·049	1·042	1·038	1·017	1·015	

Observatory at Batavia.—Hourly observations

Standard Barometer, 28 English												
Mean of 26 days ...	.....	.....	.....	1·983	1·989	1·995	2·005	2·021	2·046	2·066	2·062	
Barom. corr. to 32° ...	.....	.....	.....	1·859	1·867	1·875	1·886	1·899	1·919	1·928	1·920	
Gaseous pressure ...	.....	.....	.....	1·027	1·049	1·065	1·088	1·074	1·064	1·059	1·046	

Observatory at Batavia.—Hourly observations

Standard Barometer, 28 English												
Mean of 26 days ...	.....	.....	.....	1·984	1·983	1·988	1·997	2·016	2·037	2·054	2·056	
Barom. corr. to 32° ...	.....	.....	.....	1·862	1·864	1·869	1·881	1·897	1·913	1·919	1·915	
Gaseous pressure ...	.....	.....	.....	1·058	1·070	1·089	1·104	1·106	1·097	1·080	1·094	

Observatory at Cocos Island.—Hourly observations

Standard Barometer, 28 English												
Mean of 27 days ...	.....	.....	.....	2·059	2·057	2·064	2·077	2·094	2·113	2·129	2·131	
Barom. corr. to 32° ...	.....	.....	.....	1·935	1·933	1·940	1·953	1·970	1·986	1·997	1·993	
Gaseous pressure ...	.....	.....	.....	1·164	1·161	1·168	1·182	1·195	1·196	1·180	1·163	

TABLE D.

23.	0.	1.	2.	3.	4.	5.	6.	7.	8.	9.	10.	11.
made during the Month of January, 1847.												
inches + the numbers in the Table.												
2.040	2.022	1.998	1.974	1.958	1.950	1.961	1.976	1.991	2.000	2.007	2.014	2.008
1.901	1.881	1.854	1.828	1.812	1.804	1.818	1.836	1.855	1.865	1.875	1.883	1.878
1.037	1.018	0.981	0.957	0.938	0.933	0.947	0.977	0.990	0.996	1.017	1.017	1.019
made during the Month of February, 1847.												
inches + the numbers in the Table.												
2.023	2.005	1.981	1.961	1.945	1.941	1.945	1.960	1.975	1.991	2.007	2.044	2.039
1.885	1.865	1.838	1.817	1.802	1.800	1.807	1.825	1.843	1.860	1.877	1.915	1.911
0.995	0.981	0.946	0.928	0.921	0.924	0.928	0.945	0.955	0.981	0.990	1.029	1.030
made during the Month of March, 1847.												
inches + the numbers in the Table.												
2.058	2.038	2.016	1.989	1.966	1.961	1.968	1.983	1.993	2.000	2.009		
1.917	1.894	1.870	1.842	1.819	1.815	1.824	1.843	1.855	1.864	1.877		
1.016	0.991	0.967	0.927	0.903	0.905	0.926	0.947	0.966	0.977	1.008		
made during the Month of April, 1847.												
inches + the numbers in the Table.												
2.049	2.027	2.007	1.984	1.967	1.968	1.974	1.988	1.994	2.004	2.012		
1.906	1.880	1.859	1.836	1.820	1.822	1.831	1.848	1.856	1.869	1.880		
0.998	0.973	0.957	0.929	0.922	0.930	0.943	0.965	0.982	0.997	1.025		
during the Months of May, 1847.												
inches + the numbers in the Table.												
2.051	2.034	2.014	1.989	1.968	1.966	1.975	1.987	1.996	2.005	2.013		
1.904	1.883	1.863	1.841	1.820	1.819	1.831	1.847	1.860	1.870	1.881		
1.022	1.009	0.982	0.952	0.937	0.934	0.952	0.973	0.979	0.997	1.014		
made during the Month of June, 1847.												
inches + the numbers in the Table.												
2.045	2.026	2.002	1.981	1.966	1.969	1.969	1.977	1.991	2.000	2.007		
1.897	1.875	1.850	1.830	1.815	1.822	1.826	1.838	1.855	1.867	1.875		
1.079	1.046	1.018	0.996	0.982	0.992	0.991	1.001	1.027	1.041	1.054		
made during the Months of August and September, 1848.												
inches + the numbers in the Table.												
2.121	2.103	2.087	2.068	2.055	2.054	2.061	2.072	2.088	2.104	2.115		
1.981	1.960	1.944	1.928	1.917	1.919	1.929	1.942	1.961	1.977	1.988		
1.123	1.101	1.097	1.083	1.094	1.109	1.139	1.158	1.176	1.203	1.206		

TABLE E.

Diurnal variation of the Standard Thermometer at

Astron. Mean Time.	12.	13.	14.	15.	16.	17.	18.	19.	20.	21.	22.
Moulmein	0·4	0·5	0·2	0·0	1·7	7·6	11·4	15·4
Madras	1·2	0·8	0·3	0·0	1·2	4·6	8·0	10·5
Nicobar	0·0	0·2	0·2	0·4	1·0	4·3	7·2	10·5
Sambooanga	0·2	0·1	0·1	0·0	3·4	9·1	10·7	11·4
Penang	1·1	0·9	0·1	0·0	0·7	2·1	6·0	10·0
Pulo Dinding	1·9	1·0	0·5	0·0	0·4	2·7	7·4	12·7
Sarawak.....	1·7	1·4	1·1	0·8	0·5	0·3	0·1	0·0	0·9	2·8	4·7
Keemah	0·9	0·5	0·3	0·0	2·1	8·1	11·0	14·2
Pulo Peesang	0·7	0·0	0·2	1·1	2·5	6·0	10·6	13·7
Singapore	0·9	0·8	0·6	0·3	0·0	0·4	1·1	1·7
Carimon.....	0·3	0·0	2·2	5·3	8·6	10·8
Padang	0·6	0·3	0·1	0·0	1·1	5·1	9·7	12·6
Bencoolen	0·5	0·2	0·1	0·0	2·0	4·9	7·7	10·2
Batavia, Winter.....	1·9	1·6	1·2	0·7	0·5	0·2	0·0	0·5	2·1	4·3	6·2
Batavia, Spring.....	1·1	0·7	0·2	0·0	0·6	2·6	5·6	7·5
Cocos.....	0·3	0·1	0·2	0·0	0·4	1·5	3·4	4·8

Observatory at Moulmein.—Hourly observations

Astron. Mean Time of Station. }	12.	13.	14.	15.	16.	17.	18.	19.	20.	21.	22.	23.	Noon.
Standard Thermometer.													
Mean of 7 days	77·7	77·5	77·2	77·0	78·7	84·6	88·4	92·4	97·1	99·7
Diurnal variation	0·4	0·5	0·2	0·0	1·7	7·6	11·4	15·4	20·1	22·7

Observatory at Madras.—Hourly observations

Standard Thermometer.													
Mean of 34 days ...	.....	.....	.....	78·8	78·4	77·9	77·6	78·8	82·2	85·6	88·1	90·2	92·0
Diurnal variation ...	.....	.....	.....	1·2	0·8	0·3	0·0	1·2	4·6	8·0	10·5	12·6	14·4

Observatory at Car Nicobar.—Hourly observations

Standard Thermometer.													
Mean of 5 days .....	.....	.....	.....	73·8	74·0	74·0	74·2	74·8	78·1	81·0	84·3	86·6	87·4
Diurnal variation ...	.....	.....	.....	0·0	0·2	0·2	0·4	1·0	4·3	7·2	10·5	12·8	13·6

Observatory at Sambooanga.—Hourly observations

Standard Thermometer.													
Mean of 6 days .....	.....	.....	.....	74·9	74·8	74·8	74·7	78·1	83·8	85·4	86·1	84·7	86·5
Diurnal variation ...	.....	.....	.....	0·2	0·1	0·1	0·0	3·4	9·1	10·7	11·4	10·0	11·8

TABLE E.

various stations in the Eastern Archipelago.

	23.	Noon.	1.	2.	3.	4.	5.	6.	7.	8.	9.	10.	11.	Mean.
	20.1	22.7	23.4	23.7	23.2	19.7	17.6	11.5	15.3	17.2	18.2	.....	.....	11.4
	12.6	14.4	15.5	15.2	13.9	12.6	10.4	7.7	6.0	5.0	4.4	.....	.....	7.6
	12.8	13.6	14.3	13.2	12.2	12.1	11.0	7.8	5.7	4.7	3.6	.....	.....	7.1
	10.0	11.8	13.5	14.3	13.9	12.7	10.7	8.7	8.4	6.1	5.0	.....	.....	7.8
	12.4	13.3	12.0	10.8	11.0	9.5	8.2	6.2	4.8	4.0	3.6	.....	.....	6.2
	17.9	19.4	20.6	18.6	16.8	13.0	9.7	6.8	5.1	4.3	3.8	.....	.....	8.5
	6.3	7.8	8.6	8.9	8.6	7.7	6.9	5.7	3.9	3.2	2.8	2.4	2.0	3.7
	16.4	17.9	15.3	13.3	12.0	11.1	9.3	7.8	6.2	5.3	4.5	.....	.....	8.2
	14.9	15.0	10.9	8.4	7.6	5.2	3.7	3.2	3.5	2.7	.....	.....	.....	6.1
	2.1	2.4	2.6	2.5	2.5	2.3	2.0	1.8	1.7	1.6	1.2	.....	.....	1.5
	13.9	14.4	14.4	15.0	13.1	11.8	9.3	5.8	4.3	3.3	.....	.....	.....	8.3
	15.0	16.6	17.5	16.8	15.1	12.8	10.3	7.4	5.4	4.0	3.1	.....	.....	8.1
	11.0	12.4	14.8	10.0	8.9	9.0	7.8	6.1	4.9	3.3	2.6	.....	.....	6.1
	7.6	8.4	9.0	9.1	8.7	8.0	6.9	5.5	4.5	3.9	3.4	3.1	2.5	4.2
	9.0	10.1	10.3	10.2	10.1	9.3	8.2	6.6	5.6	4.8	4.1	.....	.....	5.6
	6.4	6.8	6.8	5.8	4.7	3.5	2.4	1.5	1.2	1.0	0.9	.....	.....	2.6

made during the Month of April, 1849.

1.	2.	3.	4.	5.	6.	7.	8.	9.	10.	11.	Sums.	Means.
Standard Thermometer.												
100.4	100.7	99.2	96.7	94.6	88.5	84.5	82.6	81.6	.....	.....	1679.1	88.4
23.4	23.7	22.2	19.7	17.6	11.5	7.5	5.6	4.6	.....	.....

made during the Months of August and September, 1849.

Standard Thermometer.												
93.1	92.8	91.5	90.2	88.0	85.3	83.6	82.6	82.0	.....	.....	1618.7	85.2
15.5	15.2	13.9	12.6	10.4	7.7	6.0	5.0	4.4	.....	.....

made during the Month of February, 1849.

Standard Thermometer.												
88.1	87.0	86.0	85.9	84.8	81.6	79.5	78.5	77.4	.....	.....	1537.0	80.9
14.3	13.2	12.2	12.1	11.0	7.8	5.7	4.7	3.6	.....	.....

made during the Month of May, 1848.

Standard Thermometer.												
88.2	89.0	88.6	87.4	85.4	83.4	81.9	80.8	79.7	.....	.....	1568.2	82.5
13.5	14.3	13.9	12.7	10.7	8.7	7.2	6.1	5.0	.....	.....

TABLE E.

Observatory at Penang.—Hourly observations

Astron. Mean Time of Station. }	12.	13.	14.	15.	16.	17.	18.	19.	20.	21.	22.	23.	Noon.
Standard Thermometer.													
Mean of 5 days	76.6	76.4	75.6	75.6	76.2	77.6	81.5	85.5	87.9	88.8
Diurnal variation	1.1	0.9	0.1	0.0	0.7	2.1	6.0	10.0	12.4	13.3

Observatory at Pulo Dinding.—Hourly observations

Standard Thermometer.													
Mean of 3 days .....	.....	.....	.....	76.0	75.1	74.6	74.1	74.5	76.8	81.5	86.8	92.0	93.5
Diurnal variation ...	.....	.....	.....	1.9	1.0	0.5	0.0	0.4	2.7	7.4	12.7	17.9	19.4

Observatory at Sarawak.—Hourly observations

Standard Thermometer.													
Mean of 26 days ...	77.5	77.2	76.8	76.5	76.3	76.1	75.9	75.9	76.9	78.9	80.9	82.6	83.9
Diurnal variation ...	1.6	1.3	0.9	0.6	0.4	0.2	0.0	0.0	1.0	3.0	5.0	6.7	8.0

Observatory at Sarawak.—Hourly observations

Standard Thermometer.													
Mean of 27 days ...	77.0	76.8	76.4	76.1	75.9	75.7	75.4	75.3	76.1	77.9	79.5	81.0	82.4
Diurnal variation ...	1.7	1.5	1.1	0.8	0.6	0.4	0.1	0.0	0.8	2.6	4.2	5.7	7.1

Observatory at Sarawak.—Hourly observations

Standard Thermometer.													
Mean of 19 days ...	76.6	76.3	76.0	75.7	75.4	75.2	74.9	74.9	75.8	77.7	79.6	81.4	83.0
Diurnal variation ...	1.7	1.4	1.1	0.8	0.5	0.3	0.0	0.0	0.9	2.8	4.7	6.5	8.1

Observatory at Keemah.—Hourly observations

Standard Thermometer.													
Mean of 10 days ...	.....	.....	.....	74.3	73.9	73.7	73.4	75.5	81.5	84.4	87.6	89.8	91.3
Diurnal variation ...	.....	.....	.....	0.9	0.5	0.3	0.0	2.1	8.1	11.0	14.2	16.4	17.9

Observatory at Pulo Peesang.—Hourly observations

Standard Thermometer.													
Mean of 5 days .....	.....	.....	.....	.....	75.9	75.2	75.4	76.3	77.7	81.2	85.8	88.9	90.1
Diurnal variation ...	.....	.....	.....	.....	0.7	0.0	0.2	1.1	2.5	6.0	10.6	13.7	14.9

Observatory at Singapore.—Hourly observations

Standard Thermometer.													
Mean of 16 days ...	.....	.....	.....	79.3	79.2	79.1	78.9	78.6	78.9	79.4	79.9	80.5	80.7
Diurnal variation ...	.....	.....	.....	0.7	0.6	0.5	0.3	0.0	0.3	0.8	1.3	1.9	2.1

TABLE E.

made during the Month of January, 1849.

1.	2.	3.	4.	5.	6.	7.	8.	9.	10.	11.	Sums.	Means.
Standard Thermometer.												
87.5 12.0	86.3 10.8	86.5 11.0	85.0 9.5	83.7 8.2	81.7 6.2	80.3 4.8	79.5 4.0	79.1 3.6	.....	.....	1551.2	81.7

made during the Month of January, 1849.

Standard Thermometer.												
94.7 20.6	92.7 18.6	90.9 16.8	87.1 13.0	83.8 9.7	80.9 6.8	79.2 5.1	78.4 4.3	77.9 3.8	.....	.....	1570.5	82.6

made during the Month of June, 1846.

Standard Thermometer.												
84.6 8.7	84.6 8.7	84.2 8.3	83.5 7.6	82.6 6.7	81.2 5.3	79.9 4.0	79.2 3.3	78.6 2.7	78.2 2.3	77.8 1.9	1909.8	79.6

made during the Month of July, 1846.

Standard Thermometer.												
83.1 7.8	83.5 8.2	83.2 7.9	82.9 7.6	82.0 6.7	81.0 5.7	79.2 3.9	78.6 3.3	78.1 2.8	77.7 2.4	77.3 2.0	1892.1	78.8

made during the Month of August, 1846.

Standard Thermometer.												
84.2 9.3	84.5 9.6	84.3 9.4	82.8 7.9	82.0 7.1	80.8 5.9	78.7 3.8	77.9 3.0	77.6 2.7	77.3 2.4	77.0 2.1	1889.6	78.7

made during the Month of June, 1848.

Standard Thermometer.												
88.7 15.3	86.7 13.3	85.4 12.0	84.5 11.1	82.7 9.3	81.2 7.8	79.6 6.2	78.7 5.3	77.9 4.5	.....	.....	1550.8	81.5

made during the Month of January, 1846.

Standard Thermometer.												
90.2 15.0	86.1 10.9	83.6 8.4	82.8 7.6	80.4 5.2	78.9 3.7	78.4 3.2	78.7 3.5	77.9 2.7	.....	.....	1463.5	81.5

made during the Month of November, 1848.

Standard Thermometer.												
80.9 2.3	80.9 2.3	80.8 2.2	80.5 1.9	80.4 1.8	80.3 1.7	80.1 1.5	79.9 1.3	79.5 0.9	.....	.....	1517.8	79.9

TABLE E.

Observatory at Singapore.—Hourly observations

Astron. Mean Time of Station.	Standard Thermometer.												
	12.	13.	14.	15.	16.	17.	18.	19.	20.	21.	22.	23.	0.
Mean of 14 days	79·0	78·9	78·7	78·2	78·0	78·5	79·4	80·0	80·3	80·7
Diurnal variation	1·0	0·9	0·7	0·2	0·0	0·5	1·4	2·0	2·3	2·7

Observatory at Carimon Island.—Hourly observations

Standard Thermometer.													
Mean of 6 days .....	.....	.....	.....	.....	.....	76·7	76·4	78·6	81·7	85·0	87·2	90·3	90·8
Diurnal variation ...	.....	.....	.....	.....	.....	0·3	0·0	2·3	5·3	8·6	10·8	13·9	14·4

Observatory at Padang.—Hourly observations

Standard Thermometer.													
Mean of 13 days ...	.....	.....	.....	73·0	72·8	72·6	72·4	74·1	78·2	82·6	85·3	87·3	88·7
Diurnal variation ...	.....	.....	.....	0·6	0·4	0·2	0·0	1·7	5·8	10·2	12·9	14·9	16·3

Observatory at Padang.—Hourly observations

Standard Thermometer.													
Mean of 26 days ...	.....	.....	.....	73·4	73·2	73·0	73·0	74·5	78·5	82·9	85·3	87·5	88·8
Diurnal variation ...	.....	.....	.....	0·4	0·2	0·0	0·0	1·5	5·5	9·9	12·3	14·5	15·8

Observatory at Padang.—Hourly observations

Standard Thermometer.													
Mean of 26 days ...	.....	.....	.....	74·0	73·5	73·3	73·2	74·1	77·8	82·7	86·2	88·6	90·8
Diurnal variation ...	.....	.....	.....	0·8	0·3	0·7	0·0	0·9	4·6	9·5	13·0	15·4	17·6

Observatory at Padang.—Hourly observations

Standard Thermometer.													
Mean of 13 days ...	.....	.....	.....	73·8	73·5	73·3	73·2	73·9	77·7	82·6	85·7	88·6	89·9
Diurnal variation ...	.....	.....	.....	0·6	0·3	0·1	0·0	0·7	4·5	9·4	12·5	15·4	16·7

Observatory at Poolo Bay.—Hourly observations

Standard Thermometer.													
Mean of 5 days ...	.....	.....	.....	73·7	73·4	73·3	73·2	75·2	78·1	80·9	83·4	84·2	85·6
Diurnal variation ...	.....	.....	.....	0·5	0·2	0·1	0·0	2·0	4·9	7·7	10·2	11·0	12·4

Observatory at Batavia.—Hourly observations

Standard Thermometer.													
Mean of 19 days ...	77·7	77·4	76·9	76·6	76·3	76·0	75·7	76·5	78·7	80·9	83·1	84·9	85·8
Diurnal variation ...	2·0	1·7	1·2	0·9	0·6	0·3	0·0	0·8	3·0	5·2	7·4	9·2	10·1

TABLE E.

made during the Month of December, 1848.

1.	2.	3.	4.	5.	6.	7.	8.	9.	10.	11.	Sums.	Means.
Standard Thermometer.												
80·8 2·8	80·6 2·6	80·7 2·7	80·6 2·6	80·1 2·1	79·8 1·8	79·8 1·8	79·7 1·7	79·4 1·4	.....	.....	1513·2	79·6

made during the Month of January, 1846.

Standard Thermometer.												
90·8 14·4	91·4 15·0	89·5 13·1	88·2 11·8	85·7 9·3	82·2 5·8	80·7 4·3	79·7 3·3	.....	.....	.....	1354·9	84·8

made during the Month of October, 1847.

Standard Thermometer.												
88·9 16·5	88·5 16·1	87·2 14·8	84·9 12·5	82·1 9·7	79·7 7·3	77·9 5·5	76·4 4·0	75·6 3·2	.....	.....	1528·2	80·5

made during the Month of November, 1847.

Standard Thermometer.												
89·4 16·4	88·4 15·4	86·9 13·9	85·0 12·0	82·9 9·9	80·2 7·2	78·5 5·5	77·2 4·2	76·3 3·3	.....	.....	1534·9]	80·8

made during the Month of December, 1847.

Standard Thermometer.												
91·5 18·3	90·6 17·4	88·9 15·7	85·7 12·5	83·3 10·1	80·3 7·1	78·2 5·0	77·0 3·8	75·9 2·7	.....	.....	1545·6	81·3

made during the Month of January, 1848.

Standard Thermometer.												
92·1 18·9	91·5 18·3	89·5 16·3	87·5 14·3	84·8 11·6	81·3 8·1	79·0 5·8	77·4 4·2	76·5 3·3	.....	.....	1551·8	81·7

made during the Months of August and September, 1847.

Standard Thermometer.												
85·0 11·8	83·2 10·0	82·1 8·9	82·2 9·0	81·0 7·8	79·3 6·1	78·1 4·9	76·5 3·3	75·8 2·6	.....	.....	1504·2	79·3

made during the Month of November, 1846.

Standard Thermometer.												
86·0 10·3	86·0 10·3	85·2 9·5	84·2 8·5	83·0 7·3	81·3 5·6	80·4 4·7	79·7 4·0	79·1 3·4	78·7 3·0	78·3 2·6	1928·4	80·3

TABLE E.

Observatory at Batavia.—Hourly observations

Astron. Mean Time of Station. }	12.	13.	14.	15.	16.	17.	18.	19.	20.	21.	22.	23.	0.	
Standard Thermometer.														
Mean of 26 days ...	77·3	77·1	76·8	76·4	76·1	75·9	75·7	76·3	78·3	80·9	83·2	84·4	84·2	
Diurnal variation ...	1·6	1·4	1·1	0·7	0·4	0·2	0·0	0·6	2·6	5·2	7·5	8·7	8·5	

Observatory at Batavia.—Hourly observations

Standard Thermometer.														
Mean of 25 days ...	78·1	77·7	77·0	76·4	76·0	75·6	75·4	75·8	77·2	79·4	80·9	82·2	83·3	
Diurnal variation ...	2·7	2·3	1·6	1·0	0·6	0·2	0·0	0·4	1·8	4·0	5·5	6·8	7·9	

Observatory at Batavia.—Hourly observations

Standard Thermometer.														
Mean of 24 days ...	77·5	77·3	77·0	76·6	76·4	76·2	76·1	76·3	77·3	79·1	80·6	82·0	83·2	
Diurnal variation ...	1·4	1·2	0·9	0·5	0·3	0·1	0·0	0·2	1·2	3·0	4·5	5·9	7·1	

Observatory at Batavia.—Hourly observations

Standard Thermometer.														
Mean of 27 days ...	.....	.....	.....	77·8	77·4	77·0	76·7	77·0	78·3	80·4	82·2	83·6	84·4	
Diurnal variation ...	.....	.....	.....	1·1	0·7	0·3	0·0	0·3	1·6	3·7	5·5	6·9	7·7	

Observatory at Batavia.—Hourly observations

Standard Thermometer.														
Mean of 26 days ...	.....	.....	.....	77·3	76·7	76·2	76·1	76·7	78·6	81·0	83·1	84·4	85·3	
Diurnal variation ...	.....	.....	.....	1·2	0·6	0·1	0·0	0·6	2·5	4·9	7·0	8·3	9·2	

Observatory at Batavia.—Hourly observations

Standard Thermometer.														
Mean of 26 days ...	.....	.....	.....	76·3	75·8	75·3	75·1	75·9	78·3	82·2	83·6	85·3	86·7	
Diurnal variation ...	.....	.....	.....	1·2	0·7	0·2	0·0	0·8	3·2	7·1	8·5	10·2	11·6	

Observatory at Batavia.—Hourly observations

Standard Thermometer.														
Mean of 26 days ...	.....	.....	.....	75·5	75·1	74·7	74·4	75·1	77·4	81·2	83·5	85·2	86·4	
Diurnal variation ...	.....	.....	.....	1·1	0·7	0·3	0·0	0·7	3·0	6·8	9·1	10·8	12·0	

Observatory at Cocos Island.—Hourly observations

Standard Thermometer.														
Mean of 27 days ...	.....	.....	.....	76·9	76·7	76·8	76·6	77·0	78·1	80·0	81·4	83·0	83·4	
Diurnal variation ...	.....	.....	.....	0·3	0·1	0·2	0·0	0·4	1·5	3·4	4·8	6·4	6·8	

TABLE E.

made during the Month of December, 1846.

1.	2.	3.	4.	5.	6.	7.	8.	9.	10.	11.	Sums.	Means.
Standard Thermometer.												
84·8 9·1	84·7 9·0	84·3 8·6	83·7 8·0	82·1 6·4	80·5 4·8	79·7 4·0	79·2 3·5	78·6 2·9	78·2 2·5	77·7 2·0	1916·1	79·8

made during the Month of January, 1847.

Standard Thermometer.												
84·4 9·0	84·7 9·3	84·8 9·4	84·4 9·0	83·8 8·4	82·4 7·0	81·0 5·6	80·4 5·0	80·0 4·6	79·4 4·0	78·8 3·4	1919·1	80·1

made during the Month of February, 1847.

Standard Thermometer.												
83·9 7·8	84·2 8·1	83·7 7·6	82·8 6·7	81·8 5·7	80·7 4·6	80·1 4·0	79·3 3·2	79·0 2·9	78·7 2·6	78·3 2·2	1908·1	79·6

made during the Month of March, 1847.

Standard Thermometer.												
85·0 8·3	85·4 8·7	85·6 8·9	85·0 8·3	84·1 7·4	82·4 5·7	81·5 4·8	80·9 4·2	80·0 3·3	.....	.....	1544·7	81·3

made during the Month of April, 1847.

Standard Thermometer.												
85·5 9·4	85·5 9·4	85·3 9·2	84·7 8·6	83·5 7·4	82·4 6·3	81·4 5·3	80·5 4·4	79·8 3·7	.....	.....	1544·0	81·3

made during the month of May, 1847.

Standard Thermometer.												
86·5 11·4	85·8 10·7	85·5 10·4	84·9 9·8	83·8 8·7	82·0 6·9	81·0 5·9	80·2 5·1	79·5 4·4	.....	.....	1543·7	81·2

made during the Month of June, 1847.

Standard Thermometer.												
86·7 12·3	86·4 12·0	86·2 11·8	84·9 10·5	83·7 9·3	81·9 7·5	80·9 6·5	80·0 5·6	79·6 5·2	.....	.....	1538·8	81·0

made during the Months of August and September, 1848.

Standard Thermometer.												
83·4 6·8	82·4 5·8	81·3 4·7	80·1 3·5	79·0 2·4	78·1 1·5	77·8 1·2	77·6 1·0	77·5 0·9	.....	.....	1507·1	79·2

Observations of Inclination at various Stations in the Eastern Archipelago.

* Grinding the needle slightly on a hone.
† Correction —28' for A 1 L.

TABLE F.

Date.	Name of Station.	Circle.	Needle.	Poles.		Dip.	Mean Dip.	Date.	Name of Station.	Circle.	Needle.	Poles.		Dip.	Mean Dip.
				Direct.	Reversed.							Direct.	Reversed.		
1846. Aug. 13.	BORNEO. Succadana		A 1. A 2. A 2 L. A 1 L.	13 08.1 15 30.8 16 22.7 25 44.2	20 47.4 18 35.2 17 45.2 6 58.6	16 57.8 17 03.0 17 03.9 16 49.4*	South. —	1846. Nov. 9.	JAVA. Batavia		A 1. A 2. A 2 L. A 1 L.	23 49.1 25 39.4 26 20.3 34 51.4	30 24.1 28 25.5 27 34.3 18 04.2	27 06.6 27 02.5 26 57.3 26 55.8*	—
Sept. 14.	JAVA. Batavia		A 1.	23 46.4	30 26.4	27 06.4	16 58.4	12.		Madras.	A 1. A 2. A 2 L. A 1 L.	23 45.1 25 24.7 26 01.4 34 33.4	30 11.1 28 28.7 27 28.1 18 23.9	26 58.1 26 56.7 26 44.7 26 56.6*	27 00.5
			A 2.	25 51.3	28 22.2	27 06.7	27 05.7	14.			A 1. A 2.	27 26.4 26 25.9	26 44.5 27 35.4	27 05.4 27 00.3	26 54.0
			A 2 L.	26 17	27 44.7	27 00.8	27 03.7				A 1 L.	27 00.0	27 04.2	27 02.1	26 57.2
			A 1 L.	34 49.5	17 51.7	26 20.6	27 01.5				A 2.	27 11.0	26 54.1	27 02.6	
			Mean dip from A 1 L.	26 30							A 1.	27 08.7	26 47.8	26 58.2	
			Add for correction	28							A 2.	27 00.7	27 10.9	27 05.8	
			Mean dip corrected for A 1 L.	26 58							General mean found at Batavia by the new needles				27 02.4
Sept. 29.	Bantam Resi- dency, Ce- ram.		A 1. A 2. A 2 L. A 1 L.	23 55.9 26 07.3 26 39.8 34 57.3	30 19.7 28 26.2 27 39.2 18 25.0	27 07.8 27 16.7 27 09.5 27 09.1*	27 11.0	Nov. 21.	Tegu		A 1. A 2. A 1 L. A 2 L. A 1. A 2. A 1 L. A 2 L.	29 05.0 29 03 28 53.7 28 50.0 28 50.6 28 16.2 28 51.0 28 50.4	28 24.7 28 18.5 28 40.0 28 35.2 28 20.2 29 18.2 28 33.6 28 35.1	28 44.8 28 40.7 28 46.8 28 42.6 28 40.4 28 47.2 28 42.3 28 42.8	
30.	Anjeer		A 1. A 2. A 2 L. A 1 L.	23 12.6 25 17.4 25 48.5 34 11.6	30 00 27 30 27 11.4 17 35.1	26 36.3 26 23.7 26 30 26 21.3*	26 28.8	23.			A 1. A 2. A 1 L. A 2 L. A 1. A 2. A 1 L. A 2 L.	28 37.7 28 42.1 28 56.5 28 38.4 28 38.8 28 43.6 28 53.8	28 55.1 28 37.4 28 30.5 28 46.2 28 38.7 28 32.4 28 30.5	28 46.4 28 39.8 28 43.5 28 42.3 28 38.8 28 38 28 42.2	
Oct. 2.	Cheringin		A 1. A 2. A 2 L. A 1 L.	24 24.0 28 33.2 26 56.7 35 05.8	30 37.8 26 23.6 18 16.1 18 47.0	27 30.9 27 28.4 27 36.4 27 24.4*	27 30.8	26.	Pangerango, top of the mountain, Gedé.		A 1. A 2. A 1 L. A 2 L. A 1. A 2 L.	29 02.0 28 39.5 28 50.5 28 33.9 29 54.9 29 48.1	28 21.1 28 51.2 28 36.5 28 45.0 29 36.7 29 37.5	28 41.5 28 45.3 28 43.5 28 39.4 29 45.8 29 42.8	28 42.5
5.	Palambangan		A 1. A 2. A 2 L. A 1 L.	25 01.4 26 44 27 25.6 35 46.8	31 19.3 29 18.6 28 47.3 19 21.2	28 10.3 28 01.3 28 06.4 28 02*	28 05.4	30.	Chunjūr		A 1. A 2. A 1 L. A 2 L.	28 46.7 28 54.2 28 35.0 28 34.8	28 08.6 28 01.5 28 20.0 28 17.7	28 27.6 28 27.8 28 27.5 28 26.2	28 23.1
7.	Chebiliang ...		A 1. A 2. A 2 L. A 1 L.	25 27.8 27 26.2 27 56.4 36 17.7	32 02.5 29 43.1 29 20.7 19 42.4	28 45.1 28 34.6 28 33.3 28 28*	28 37.9				A 1. A 2. A 1 L. A 2 L.	28 20.5 28 19.2 28 15.1 28 17.5	28 19.0 28 19.5 28 13.2 28 24.5	28 20.0 28 19.5 28 23.9 28 20.8	
9.	Chelangkahan		A 1. A 2. A 2 L. A 1 L.	25 01.8 27 02.8 27 44.7 36 04.3	31 38.1 29 27.6 29 03.8 19 53.4	28 20 28 15.2 28 24 28 26.8*	28 20.7				A 1. A 2. A 1 L. A 2 L.	28 31.2 28 21.7 28 22.5 28 14.1	28 05.4 28 26.2 28 15.0 28 29.9	28 18.2 28 24.0 28 20.0 28 22	28 21.1
12.	Goonong Dadap.		A 1. A 2. A 1 L.	24 23.9 26 12.5 35 00	30 38.2 28 36.9 19 06.6	27 31 27 24.7 27 31*	27 28.5	Dec. 4.	Kārang Tengga		A 1. A 2. A 1 L. A 2 L.	28 42.7 28 53.1 28 25.8 28 28.4	28 06.2 27 53.1 28 07.6 28 11.2	28 24.5 28 23.4 28 16.7 28 19.8	28 27.8
14.	Woorong Goonong.		A 1. A 2. A 2 L. A 1 L.	24 12.5 26 10 26 43.5 35 10.1	30 39.9 28 02 28 04.8 18 47.4	27 26.2 27 06.0 27 24.1 27 26.7*	27 20.0	7.	Chebrānok ...		A 1. A 2. A 1 L.	28 45.2 28 56.6 28 36.1	28 07.8 28 00.0 28 21.4	28 26.5 28 28.3 28 28.7	28 21.1
23.	Tanāra		A 1. A 2. A 2 L. A 1 L.	23 43.3 25 47.3 28 16.0 34 44.0	30 22.2 28 12.7 26 11.1 18 02	27 02.7 27 00.0 27 13.5 26 51*	27 02.6	8.	Palabuan Rātoō, or Wine Co- per's Bay.		A 1. A 2. A 1 L. A 2 L.	29 36.5 29 44.1 29 25.9 29 24.7	28 59.5 28 52.7 29 13.9 29 10.5	29 18.0 29 18.4 29 19.9 29 17.6	29 18.5
* Correction —28' for A 1 L.								* Correction —28' for A 1 L.							

TABLE F.

Date.	Name of Station.	Circle.	Needle.	Poles.		Dip.	Mean Dip.		Date.	Name of Station.	Circle.	Needle.	Poles.		Dip.	Mean Dip.	
				Direct.	Reversed.								Direct.	Reversed.			
1846. Dec. 10.	JAVA. Chilotoe	2	A 1. A 2. A 1 L. A 2 L.	29 08.7 29 17.7 28 58.5 29 10.4	28 33.0 28 21.4 28 48.2 28 32.7	28 50.9 28 49.5 28 53.4 28 51.5	28 51.3	South.	1847. Jan. 15.	JAVA. Cheribon	2	A 1. A 2. A 1 L. A 2 L.	28 47.1 28 19.4 27 54.5 27 59.6	26 49.2 27 20.2 27 47.1 27 37.5	27 48.1 27 49.8 27 50.7 27 48.5	27 49.3	
11.	Pangangbahan	2	A 1. A 2. A 1 L. A 2 L.	29 58.1 30 10.2 29 46.5 29 46.8	29 20.1 29 13.8 29 35.9 29 40.4	29 39.0 29 42.0 29 41.2 29 43.6	29 41.4		18.	Indramāyu ...	2	A 1. A 2. A 1 L. A 2 L.	28 32.8 27 58.0 27 30.6 27 35.0	26 27.0 26 56.8 27 28.2 27 19.5	27 29.9 27 27.4 27 29.4 27 27.2	27 28.5	
13.	Mooāro Chi- kasso.	2	A 1. A 2. A 1 L. A 2 L.	30 14.9 30 30.1 30 11.9 30 12.7	29 48.3 29 39.5 29 57.6 29 57.4	30 06.6 30 04.8 30 04.8 30 05.0	30 05.3		26.	Tegal	2	A 1. A 2. A 1 L. A 2 L.	28 55.7 28 32.7 28 09.3 28 12.6	27 01.6 27 33.2 27 59.3 27 57.1	27 58.6 28 03.0 28 04.3 28 04.8	28 02.7	
14.	Sidang Bārang	2	A 1. A 2. A 1 L. A 2 L.	31 07.0 30 38.5 30 24.9 30 19.9	29 15.3 29 42.7 30 07.9 30 03.6	30 11.1 30 10.6 30 16.4 30 11.7			30.	Samārang ...	2	A 1. A 2. A 1 L. A 2 L.	28 57.6 28 32.2 28 07.4 28 12.4	27 02.5 27 33.5 27 57.6 27 54.0	28 00.0 28 02.8 28 02.5 28 08.5	28 02.2	
15.		2	A 1. A 2. A 1 L. A 2 L.	31 05.8 30 41.0 30 19.2 30 19.2	29 17.2 29 41.8 30 06.6 30 02.0	30 11.5 30 11.4 30 12.9 30 10.6	30 12.0		Feb. 2.	Japāra	2	A 1. A 2. A 1 L. A 2 L.	28 25.8 27 55.8 27 30.1 27 32.1	26 35.4 27 02.5 27 21.8 27 16.8	27 30.6 27 29.1 27 26.0 27 24.5	27 27.5	
16.	Bejong Petair	2	A 1. A 2. A 1 L. A 2 L.	30 25.5 30 00.3 29 42.0 29 41.4	28 35.0 29 04.6 29 28.3 29 23.5	29 30.3 29 32.5 29 35.2 29 32.5	29 33.5		5.	Ambarāwa ...	2	A 1. A 2. A 1 L. A 2 L.	30 18.7 29 55.1 29 56.1 29 28.8	28 27.0 29 00.5 28 01.0 28 31.5	29 22.8 29 27.8 28 58.5 29 00.1	29 25.3	
21.	Bandong	2	A 1. A 2. A 1 L. A 2 L.	29 24.9 28 56.1 28 35.2 28 38.5	27 30.1 27 59.3 28 24.8 28 15.2	28 27.5 28 27.7 28 30.0 28 25.8	28 28.0		10.	Balembang ...	2	A 1. A 2. A 1 L. A 2 L.	29 55.1 29 56.1 29 28.8 28 55	28 27.0 29 00.5 28 01.0 29 06.5	29 00.7 29 00.7 29 00.7 29 00.7		
		2	A 1. A 2. A 1 L. A 2 L.	29 34.4 29 02.8 28 38.8 28 46.2	27 36.5 28 09.8 28 29.7 28 25.8	28 35.5 28 36.3 28 34.2 28 36.0			13.	Solo	2	A 1. A 2. A 1 L. A 2 L.	30 01.0 29 37.4 29 18.0 29 21.8	28 14.2 28 43.8 29 05.1 29 01.3	29 07.6 29 10.6 29 11.7 29 11.5	29 10.3	
		1	A 1. A 2. A 1 L. A 2 L.	28 22.5 28 27.1 28 43.6 28 31.5	28 28.9 28 24.2 28 28.1 28 29.2	28 25.7 28 25.7 28 27.0 28 29.2			18.	Nyāwee	2	A 1. A 2. A 1 L. A 2 L.	29 54.0 29 31.2 28 50.1 28 42.4	27 59.2 28 34.6 28 57.4 26 49.4	28 56.6 29 02.9 28 53.7 27 45.9	28 57.7	
21.		3	A 1. A 2. A 1 L. A 2 L.	28 27.1 28 43.6 28 31.5 28 53.0	28 24.2 28 28.1 28 29.2 28 18.0	28 25.7 28 27.0 28 29.2 28 35.5			22.	Bankāwa, Solo River.	2	A 1. A 2. A 1 L. A 2 L.	28 42.4 28 11.0 28 53.1 27 55.0	26 49.4 27 20.7 27 45.1 27 30.2	27 45.9 27 45.8 27 49.1 27 42.6		
24.	Garoct	2	A 1. A 2. A 1 L. A 2 L.	28 39.8 28 26.0 29 54.1 29 24.5	28 34.1 28 38.4 28 03.5 28 34.0	28 36.9 28 32.2 28 58.8 28 59.2	28 31.4		25.	Soorabāya ...	2	A 1. A 2. A 1 L. A 2 L.	27 46.7 29 38.2 29 18.8 28 51.1	27 38 27 48.5 28 20.0 28 40.4	27 42.3 28 43.3 28 49.4 28 45.7		
28.	Permangpek.	2	A 1. A 2. A 1 L. A 2 L.	29 07.4 29 06.5 28 55.7 28 54.3	28 51.6 28 51.4 28 57.9 29 01.5	28 59.5 28 59.0 28 56.8 28 57.9	28 58.5		26.		2	A 1. A 2. A 1 L. A 2 L.	28 53.5 29 38.2 29 21.9 29 01.7	28 53.8 27 48.5 28 29.2 28 54.0	28 53.6 28 43.3 28 55.5 28 57.8		
29.		2	A 1. A 2. A 1 L. A 2 L.	31 05.6 30 37.4 30 16.0 30 20.3	29 15.3 29 43.8 30 05.2 30 02.6	30 10.5 30 10.6 30 10.6 30 11.4			Mar. 23.	Sūmenap .....	...	A 1. A 2. A 1 L. A 2 L.	28 57.6 28 36 28 36 27 48.1	28 48.2 26 47.1 27 17.5 27 40.8	28 52.9 27 41.5 27 41.2 27 44.5		
1847. Jan. 1.	Cherūgnūk- tok.	2	A 1. A 2. A 1 L. A 2 L.	31 03.7 30 39.2 30 09.1 30 15.0	29 13.7 29 41.4 30 03.7 29 57.2	30 08.4 30 10.3 30 07.9 30 06.1	30 08.2		26.		...	A 1. A 2. A 1 L. A 2 L.	27 49.3 28 40.7 28 14 27 48.9	27 39.4 26 29.5 27 19 27 38.9	27 44.4 27 45.1 27 46.5 27 43.9		
6.	Kālipoochen	2	A 1. A 2. A 1 L. A 2 L.	30 46.6 30 21.4 29 56.6 29 59.4	28 54.7 29 20.8 29 48.2 29 42.4	29 50.6 29 51.1 29 52.3 29 49.9	29 51.2		31.		...	A 1. A 2. A 1 L. A 2 L.	27 48.4 28 10.8 27 49.1 27 46	27 39 27 15 27 42.9 27 35	27 43.9 27 42.8 27 46.0 27 40.5	27 43.8	
8.	Banjeer	2	A 1. A 2. A 1 L. A 2 L.	30 02.5 29 35.2 29 36.1 29 06.6	28 10.2 28 40.3 27 39.4 28 14.2	29 06.7 29 07.7 28 37.7 28 40.4	29 07.2		April 7.	Pulo Ku- neecang.		A 1. A 2. A 1 L. A 2 L.	28 15.4 27 40.7 27 30 27 27.3	26 28.1 26 55 27 19.6 27 14.5	27 23.7 27 17.8 27 24.8 27 20.9		
10.	Chāwee	2	A 1. A 2. A 1 L. A 2 L.	29 35.2 29 36.1 28 42.7 28 46.6	28 40.3 27 39.4 28 38.1 28 30.2	29 07.7 28 37.7 28 40.2 28 38.4	28 39.2		8.			A 1. A 2. A 1 L. A 2 L.	28 14.5 27 45.5 27 30.6 28 22.5	26 24.1 26 53.7 27 21.5 26 29.9	27 19.3 27 19.6 27 26 27 26.2		
12.	Samadang ...	2	A 1. A 2. A 1 L. A 2 L.	28 53.5 28 26.5 28 04.0 28 07.2	26 55.8 27 28.0 27 55.2 27 50.2	27 54.6 27 57.2 27 59.6 27 58.7	27 57.5		9.			A 1. A 2. A 1 L. A 2 L.	27 23.6 27 29.3 29 57.5 29 33.2	27 17.8 27 11.2 28 10.4 28 38.1	27 20.7 27 19.2 29 03.9 29 05.6	27 23.6	

TABLE F.

Date.	Name of Station.	Circle.	Needle.	Poles.		Dip.	Mean Dip.	Date.	Name of Station.	Circle.	Needle.	Poles.		Dip.	Mean Dip.
				Direct.	Reversed.							Direct.	Reversed.		
1847.	JAVA.			—	—	—	South.	1847.	JAVA.			—	—	—	South.
April 26.	Bezooki		A 1 L.	29 08.7	29 01.8	29 05.2	—	July 14.	Batavia	3	A 2.	26 53.7	27 24	27 08.8	—
			A 2 L.	29 15.2	29 01.0	29 08.1	29 05.7				A 1 L.	27 21.1	26 58.3	27 09.7	
May 11.	Kedeeri		A 1.	30 42.8	28 49	29 45.9		14.		3	A 2.	26 57.6	27 17.6	27 07.6	
			A 2.	30 14.0	29 13.5	29 43.7					A 1 L.	27 20.3	27 03.9	27 12.1	
			A 1 L.	29 55.5	29 47.2	29 51.2				3	A 2.	26 57.5	27 17.4	27 07.4	
			A 2 L.	29 59.5	29 44.7	29 52.1					A 1 L.	27 22.4	27 00.2	27 11.3	27 08.2
12.			A 1.	30 42.6	28 53.6	29 48.1		17.		F.	B.	27 11.8	.....	27 11.8	
			A 2.	30 17.1	29 24.0	29 50.5					B.	27 09.0	.....	27 09.0	
			A 1 L.	29 55.9	29 46.8	29 51.3					B.	27 13.7	.....	27 13.7	
			A 2 L.	30 03.2	29 45.5	29 54.3						27 17.6	.....	27 17.6	
13.			A 1.	30 42.8	28 51.4	29 47.1		19.			B.	27 12	.....	27 12	
			A 2.	30 19.6	29 22.6	29 51.1						27 12.5	.....	27 12.5	
			A 1 L.	29 54.3	29 49.3	29 51.8						25 59.6	28 05	27 02.3	
			A 2 L.	30 02.5	29 43.9	29 53.2	29 50.0					26 01.7	28 07.3	27 04.5	27 09.3
May 21.	Patchitan.....	2	A 1.	31 26.9	29 38.5	30 32.7		Aug. 18.	SUMATRA.	2	A 1.	27 06.7	25 13.8	26 10.2	
			A 2.	31 03.1	30 06.5	30 34.8			Telok Betong,		A 2.	26 42.6	25 44.4	26 13.5	
			A 1 L.	30 40.8	30 26.5	30 33.6			Lampung		A 1 L.	26 16.3	26 14.2	26 15.2	
			A 2 L.	30 45.1	30 29.1	30 37.1	30 34.5		Bay.		A 2 L.	26 24.9	26 06.3	26 15.6	26 14.8
June 1.	Munoori	2	A 1.	30 12.6	28 22.0	29 17.3		Sept. 3.	Poolo Bay	2	A 1.	24 52.9	22 44	23 48.4	
			A 2.	29 46.2	28 52.4	29 19.2			near Ben-		A 2.	24 22.7	23 22.1	23 52.4	
			A 1 L.	29 21.6	29 18.1	29 19.8			coolen.		A 1 L.	24 03.2	23 56.3	23 58.4	
			A 2 L.	29 27.5	29 11.8	29 19.6	29 19.0				A 2 L.	24 02.2	23 42.6	23 52.4	
6.	Karang Bo-	2	A 1.	30 45.7	28 58.5	29 52.1				1	A 1.	23 51.8	23 50.3	23 51.0	
	long.		A 2.	30 25	29 23.9	29 54.4					A 1 L.	23 59.4	23 56.2	23 57.8	
			A 1 L.	29 58.3	29 53.5	29 55.9					A 2 L.	23 48.2	23 50.5	23 49.3	
			A 2 L.	30 03.5	29 46.5	29 55.0	29 54.4			2	A 1.	24 49	22 49.3	23 49.1	
9.	Chilāchap ...	2	A 1.	30 39.3	28 46	29 42.6					A 2.	24 25.2	23 20.3	23 52.7	
			A 2.	30 11.2	29 13.4	29 42.3					A 1 L.	24 03	23 52.0	23 57.5	
			A 1 L.	29 48	29 47.5	29 47.5					A 2 L.	24 04.6	23 45	23 54.8	
			A 2 L.	29 37.7	29 37.7	29 44.7	29 44.3			2	A 1.	24 54.8	22 51.2	23 53	
12.	Aji Bārang ...	2	A 1.	28 15.6	26 22.6	27 19.1		4.			A 2.	24 24.4	23 22.8	23 53.6	
			A 2.	27 42.3	26 54.5	27 18.4					A 1 L.	23 55.6	23 53.9	23 53.7	
			A 1 L.	27 27.5	27 28.4	27 27.9					A 2 L.	24 02.9	23 43.7	23 53.3	
			A 2 L.	27 27.8	27 13.8	27 21.5	27 20.8			3	A 2.	23 43	24 04.4	23 53.7	
July 6.	Batavia	2	A 1.	28 02	26 10.3	27 06.1		Oct. 18.	Padang.....	2	A 1 L.	24 00.7	23 42.1	23 51.4	23 53.1
			A 2.	27 31.5	26 34.5	27 03.0		21.			A 1.	19 33.8	17 20.7	18 27.2	
			A 1 L.	27 11.5	27 08.6	27 09.8					A 2.	19 11.3	18 03.5	18 37.4	
			A 2 L.	27 15.6	26 57.1	27 06.3					A 1 L.	18 37.5	18 36.8	18 37.4	
		2	A 1.	28 02.2	26 10.4	27 06.3		23.		1	A 2 L.	18 32	18 22.8	18 27.4	
			A 2.	27 31	26 35.0	27 03.4					A 1.	18 26.2	18 25.7	18 26.0	
			A 1 L.	27 11.0	27 10.3	27 10.6					A 1 L.	18 20.2	18 33.3	18 26.7	
			A 2 L.	27 21.8	27 00.8	27 11.3					A 2 L.	18 22.8	18 31.1	18 26.9	
7.		2	A 1.	28 06.4	26 12.7	27 09.5		25.		3	A 2.	18 26	18 50.6	18 38.3	18 31.7
			A 2.	27 31.3	26 38.5	27 04.9					A 1 L.	18 46.7	18 29.3	18 38.0	
			A 1 L.	27 08.5	27 08.2	27 08.3									
			A 2 L.	27 17.5	26 56.1	27 06.6									
		2	A 1.	28 03.8	26 13.3	27 08.5									
			A 2.	27 29.9	26 41.7	27 05.8									
			A 1 L.	27 12.4	27 09.6	27 11.0									
			A 2 L.	27 20.9	26 58.9	27 09.9									
9.		2	A 1.	28 05.3	26 09.5	27 07.4									
			A 2.	27 15	26 39.5	27 03.5									
			A 1 L.	27 11.0	27 09.3	27 10.1									
			A 2 L.	27 19.6	26 59.8	27 09.7									
		2	A 1.	28 05.5	26 11.7	27 08.6									
			A 2.	27 28.3	26 38.5	27 03.4									
			A 1 L.	27 09.9	27 11.1	27 10.5									
			A 2 L.	27 16.1	26 58.5	27 07.3									
10.		1	A 1.	27 07.2	27 09.8	27 08.5									
			A 1 L.	27 03.4	27 23.0	27 13.2									
			A 2 L.	27 06.9	27 07.9	27 07.4		Nov. 1.	Solok	1	A 1, A 1 L.	17 53.2	18 00.1	17 56.6	
			A 1.	27 11.5	27 06.0	27 08.7					A1L., A2L.	17 54.3	18 01.5	17 57.9	
			A 1 L.	27 02.6	27 21.8	27 12.7					A 1, A 1 L.	17 53	18 02.2	17 57.6	
			A 2 L.	27 06.0	27 09.6	27 07.8					A1L., A2L.	18 01.7	17 57.8	17 59.7	
13.		1	A 1.	27 07.9	27 05.4	27 06.6		2.			A 1, A 1 L.	17 53.0	18 05.6	17 59.3	
			A 1 L.	27 00.5	27 20.0	27 10.2					A1L., A2L.	18 03.7	18 05.1	18 04.4	17 50.3
			A 2 L.	27 06.2	27 06.1	27 06.1					A 1, A 1 L.	17 51.8	18 00.6	17 56.2	
14.		1	A 1.	27 06.5	27 04.5	27 05.5					A1L., A2L.	18 03.8	17 56.7	18 00.2	17 49.3
			A 1 L.	26 58.9	27 16.7	27 07.8		8.	Bua Pārjang .	1	A 1, A 1 L.	17 16.2	17 16.3	17 16.2	
			A 2 L.	27 03.2	27 06.4	27 04.8					A1L., A2L.	17 19.9	17 23.2	17 21.5	17 10.9
13.		3	A 2.	26 58.2	27 22.3	27 10.2		10.	Pāyacombo ...	1	A 1, A 1 L.	16 41.9	16 47.5	16 44.7	
			A 1 L.	27 23.5	27 00.7	27 12.5					A1L., A2L.	16 48.1	16 48.9	16 48.5	16 37.7
								Mean of the three needles with poles unchanged = 18 40.6							
								And the true dip has been found to be..... = 18 31.7							
								Correction to be applied for the survey in Sumatra +08.9							
								Nov. 1.	Solok	1	A 1, A 1 L.	17 53.2	18 00.1	17 56.6	
											A1L., A2L.	17 54.3	18 01.5	17 57.9	
											A 1, A 1 L.	17 53	18 02.2	17 57.6	
											A1L., A2L.	18 01.7	17 57.8	17 59.7	
								2.			A 1, A 1 L.	17 53.0	18 05.6	17 59.3	
											A1L., A2L.	18 03.7	18 05.1	18 04.4	17 50.3
								5.	Sijonjong.....	1	A 1, A 1 L.	17 51.8	18 00.6	17 56.2	
											A1L., A2L.	18 03.8	17 56.7	18 00.2	17 49.3
								8.	Bua Pārjang .	1	A 1, A 1 L.	17 16.2	17 16.3	17 16.2	
											A1L., A2L.	17 19.9	17 23.2	17 21.5	17 10.9
								10.	Pāyacombo ...	1	A 1, A 1 L.	16 41.9	16 47.5	16 44.7	
											A1L., A2L.	16 48.1	16 48.9	16 48.5	16 37.7

TABLE F.

Date.	Name of Station.	Circle.	Needle.	Poles direct.		Dip.	Corr. Dip.	Date.	Name of Station.	Circle.	Needle.	Poles.		Dip.	Mean Dip.
												Direct.	Reversed.		
1847.	SUMĀTRA.			—	—	—	South.	1848.				—	—	—	South.
Nov. 11.	Fort Vande Capellen.	1	A 1, A 1 L.	17 15.2	17 21.5	17 18.3	—	Feb. 14.	Singapore ...	2	A 1.	12 01.9	12 46.5	12 54.2	—
			A 1 L., A 2 L.	17 19.7	17 26.7	17 23.2	17 11.8	15.			A 2.	13 28.8	12 19.3	12 54.1	
14.	Padang Pan-jang.	1	A 1, A 1 L.	17 52.9	17 55.9	17 54.4					A 1 L.	12 59.0	12 51.9	12 55.4	
16.	Fort de Kock.	1	A 1 L., A 2 L.	17 54.8	18 00.3	17 57.5	17 47.0				A 2 L.	13 03.2	12 47.4	12 55.3	12 54.7
			A 1, A 1 L.	17 06.8	17 07.4	17 07.5					A 2.	14 04.2	11 49.5	12 56.8	
17.	Menindjo ...	1	A 1 L., A 2 L.	17 08.6	17 10.5	17 09.5	16 59.4				A 2.	13 34.7	12 19.1	12 56.9	
			A 1 L., A 2 L.	17 03.8	17 10.1	17 07.4					A 1 L.	13 01.1	12 51.0	12 56.0	
18.	Balembangan.	1	A 1 L., A 2 L.	17 11.0	17 11.6	17 11.3	17 00.4				A 2 L.	13 05.8	12 45.6	12 55.7	12 56.3
			A 1, A 1 L.	16 48.0	16 58.2	16 53.5		16.			A 1.	14 04.6	11 57.3	13 00.9	
19.	Peesang	1	A 1 L., A 2 L.	16 58.8	16 58.1	16 58.5	16 47.1	19.			A 2.	13 36.0	12 20.8	12 58.0	
			A 1, A 1 L.	16 38.0	16 43.1	16 40.5					A 1 L.	13 01.6	12 33.3	12 57.4	
			A 1 L., A 2 L.	16 46.2	16 43.0	16 44.6					A 2 L.	13 06.2	12 56.5	12 58.3	12 58.3
			A 1, A 1 L.	16 36.8	16 43.1	16 39.9					A 1.	14 09.3	11 51.1	13 00.2	
			A 1 L., A 2 L.	16 43	16 44.5	16 43.7	16 33.2				A 2.	13 29.8	12 22.3	12 56.0	
20.	Bonjol	1	A 1, A 1 L.	16 42.5	16 48.6	16 45.5					A 1 L.	13 00.1	12 55.0	12 57.5	
			A 1 L., A 2 L.	16 48.6	16 49.2	16 48.9	16 38.3				A 2 L.	13 07.5	12 57.0	12 59.7	12 58.2
21.	Loobisikap-ping.	1	A 1, A 1 L.	16 11.3	16 17.6	16 14.5		21.		2	A 1.	14 10.4	11 54.6	13 02.5	
			A 1 L., A 2 L.	16 17.8	16 21.2	16 19.5	16 08.1	22.			A 2.	13 29.6	12 19.1	12 54.3	
22.	Batoo Bedindi	1	A 1, A 1 L.	15 50.7	16 00.2	15 55.4					A 1 L.	13 05.0	13 00.1	13 02.5	
			A 1 L., A 2 L.	16 00.6	16 00.5	15 57.9	15 49				A 2 L.	13 10.5	12 48.5	12 59.5	12 59.7
23.	Lender	1	A 1, A 1 L.	15 47.3	15 35.4	15 41.3				2	A 1.	14 04.9	11 54.5	12 59.7	
			A 1 L., A 2 L.	15 43.7	15 49.6	15 46.6	15 35.0				A 2.	13 31.3	12 26.3	12 58.8	
24.	Rau	1	A 1, A 1 L.	15 37.9	15 49.8	15 43.8					A 1 L.	13 03.9	12 59.4	13 01.6	
			A 1 L., A 2 L.	15 48.7	15 49.2	15 49.0					A 2 L.	13 07.1	12 52.5	12 59.8	13 00.0
25.		1	A 1, A 1 L.	15 35.5	15 48.4	15 41.9		22.		2	A 1.	14 09.2	11 43.7	12 56.4	
			A 1 L., A 2 L.	15 49.0	15 50.9	15 50.0	15 37.2	28.			A 2.	13 28.3	12 24.1	12 56.2	
26.	Pionghay	1	A 1, A 1 L.	15 48.0	16 03.8	15 55.9					A 1 L.	13 09.4	12 57.4	13 03.4	
			A 1 L., A 2 L.	16 02.0	16 02	16 02	15 50.0				A 2 L.	13 06.6	12 42.4	12 54.5	12 57.6
27.	Batong	1	A 1, A 1 L.	15 40.9	15 54.5	15 47.7				2	A 1.	14 06.8	11 45.5	12 56.1	
			A 1 L., A 2 L.	15 53.7	15 51.9	15 52.8	15 41.3				A 2.	13 31.8	12 21.5	12 56.6	
28.	Kotanopan ...	1	A 1, A 1 L.	15 18.3	15 33.1	15 25.7					A 1 L.	13 06.8	12 59.9	13 03.3	
			A 1 L., A 2 L.	15 33.1	15 30.0	15 31.5	15 19.7				A 2 L.	13 06.7	12 42.5	12 54.6	12 57.6
29.	Tāna Bātoō ...	1	A 1, A 1 L.	15 01.6	15 18.5	15 10.0		24.		2	A 1.	14 04	11 48.6	12 56.3	
			A 1 L., A 2 L.	15 14.7	15 12.7	15 13.7	15 02.9	Mar. 1.			A 2.	13 29.7	12 16.3	12 53.0	
Dec. 1.	Fort Elout ...	1	A 1, A 1 L.	14 44.5	15 01.7	14 53.1					A 1 L.	12 55.9	12 53.2	12 54.5	
			A 1 L., A 2 L.	15 01.9	14 55.7	14 58.8	14 47.9				A 2 L.	13 02.6	12 43.1	12 52.7	12 54.1
3.	Singalāngan...	1	A 1, A 1 L.	14 11.5	14 24.2	14 17.8				2	A 1.	14 07.3	11 45.0	12 56.1	
			A 1 L., A 2 L.	14 24.6	14 20.3	14 22.5	14 11.7				A 2.	13 28.6	12 18.3	12 53.4	
6.	Padang Sidompang.	1	A 1, A 2 L.	13 46.8	14 00.5	13 53.6					A 1 L.	13 03.2	13 00.7	13 02.0	
			A 1 L., A 2 L.	14 00.4	13 55.3	13 57.9	13 46.8				A 2 L.	13 02.6	12 44.5	12 53.3	12 56.2
11.	Sibogha	1	A 1, A 1 L.	13 03.2	13 14.2	13 08.6		Feb. 26.		2	A 1.	14 04.3	11 44.5	12 54.4	
			A 1 L., A 2 L.	13 15.8	13 11.8	13 13.8		Mar. 3.			A 2.	13 29.3	12 20	12 54.6	
13.		1	A 1, A 1 L.	13 04.8	13 19.0	13 11.9					A 1 L.	12 58.1	12 53.7	12 55.9	
			A 1 L., A 2 L.	13 18.3	13 14.9	13 16.6					A 2 L.	13 06.1	12 41.7	12 53.9	12 54.7
15.		1	A 1, A 1 L.	13 06.0	13 18.2	13 12.1				2	A 1.	14 04.7	11 46.9	12 55.8	
			A 1 L., A 2 L.	13 18.7	13 16.3	13 17.5					A 2.	13 33.9	12 16.5	12 58.2	
16.		1	A 1, A 1 L.	13 04.3	13 19.8	13 12.0					A 1 L.	13 00.3	12 55.5	12 57.9	
			A 1 L., A 2 L.	13 18.1	13 14.4	13 16.2	13 04.7				A 2 L.	13 04.2	12 41.8	12 53.0	12 56.2
19.	Bāros	1	A 1, A 1 L.	12 58	13 10.9	13 04.4		Feb. 23.		2	A 1.	14 04.0	11 46.7	12 55.3	
			A 1 L., A 2 L.	13 06.8	13 06.5	13 06.6		Mar. 1.			A 2.	13 28.3	12 14.7	12 51.6	
			A 1, A 1 L.	12 57	13 10.9	13 03.9					A 1 L.	13 01.5	12 57.5	12 59.4	
			A 1 L., A 2 L.	13 11.8	13 03.8	13 07.8					A 2 L.	13 05.7	12 45.8	12 55.7	12 55.5
20.		1	A 1, A 1 L.	13 00.4	13 14.1	13 07.2					A 1.	14 04.8	11 46.6	12 55.7	
			A 1 L., A 2 L.	13 13.4	13 07.8	13 10.6	12 57.8				A 2.	13 29.0	12 15.2	12 52.1	
23.	Sinkel	1	A 1, A 1 L.	12 24.3	12 35.5	12 29.9					A 1 L.	13 02.0	12 58.7	13 00.3	
			A 1 L., A 2 L.	12 33.5	12 30.0	12 31.7					A 2 L.	13 07.1	12 44.0	12 55.5	12 55.5
25.		1	A 1, A 1 L.	12 26.1	12 36.0	12 31.0									
			A 1 L., A 2 L.	12 38.3	12 34.6	12 36.4	12 23.3								
31.	Pulonias, Goo-nong Satoolie	1	A 1, A 1 L.	14 04.2	14 20.3	14 12.2		28.	Mount Ophir, near Malacca.	2	A 1.	10 58.0	8 49.0	9 53.5	
			A 1 L., A 2 L.	14 19.2	14 14.4	14 16.9	14 05.6				A 2.	10 27.7	9 18.3	9 53.0	
1848.											A 1 L.	9 58.5	9 59.5	9 59.0	
Jan. 10.	Nātal	1	A 1, A 1 L.	15 30	15 39.1	15 34.5					A 2 L.	10 10.3	9 45.6	9 57.9	9 55.8
			A 1 L., A 2 L.	15 40.3	15 47.1	15 43.7					A 1.	3 55.0	1 45.3	2 50.1	
11.		1	A 1, A 1 L.	15 34.5	15 48.4	15 41.5		May 3.	Pulo Labooan.	2	A 2.	3 27.7	2 20.1	2 53.9	
			A 1, A 1 L.	15 49.3	15 48.6	15 49					A 1 L.	3 01.6	2 53.0	2 57.3	
12.		1	A 1 L., A 2 L.	15 31.0	15 44.2	15 37.6					A 2 L.	3 05.5	2 41.2	2 53.3	
			A 1 L., A 2 L.	15 42.5	15 40.1	15 41.2		4.		1	A 1.	2 54.3	2 54.2	2 54.2	
13.		1	A 1, A 1 L.	15 29.3	15 46.4	15 37.8	15 32.2				A 1 L.	2 41.4	3 10	2 55.7	
			A 1 L., A 2 L.	15 45.4	15 42.7	15 44.0					A 2 L.	2 43.2	2 54.9	2 49.0	
								5.			A 2.	2 37.3	3 07.0	2 52.1	
											A 1 L.	3 07.2	2 38.6	2 52.9	2 53.1

TABLE F.

Date.	Name of Station.	Circle.	Needle.	Poles.		Dip.	Mean Dip.	Date.	Name of Station.	Circle.	Needle.	Poles.		Dip.	Mean Dip.
				Direct.	Reversed.							Direct.	Reversed.		
1848. May 25.	MINDANÃO. Samboonga.	1	A 1 L. A 2 L. A 1. A 2.	+ + + +	+ + + +	+ + + +	North. +	1848. Nov. 14.	Singapore ...	2	A 2 L. A 1 L. A 2. A 1. A 2 L. A 1 L. A 1. A 1. A 1 L. A 2 L.	- - - - - - - - - -	- - - - - - - - - -	- - - - - - - - - -	South.
26.		3	A 1 L. A 1. A 2.							1	A 1 L. A 2 L. A 1 L. A 1. A 1 L.				
June 21.	CELEBES. Keemah	2	A 1. A 2. A 1 L. A 1 L. A 2 L. A 1. A 2. A 1 L. A 2 L.					24.		1	A 1 L. A 2 L. A 1 L. A 1. A 1 L. A 2 L. A 1 L. A 2 L. A 1 L. A 2 L.				
27.	Tondano	1	A 1. A 1 L. A 2 L.					Dec. 1. 14.		3	A 1 L. A 2 L. A 1 L. A 2 L. A 1 L. A 2 L. A 1 L. A 2 L. A 1 L. A 2 L.				
29.	Manado	1	A 1. A 1 L. A 2 L.					5. 15.		3	A 1 L. A 2 L. A 1 L. A 2 L. A 1 L. A 2 L. A 1 L. A 2 L. A 1 L. A 2 L.				
Aug. 26.	COCOS. Direction Island.	1	A 1. A 2. A 2 L. A 1. A 2. A 1 L. A 2 L. A 1 L. A 2 L.					6. 15.		3	A 1 L. A 2 L. A 1 L. A 2 L. A 1 L. A 2 L. A 1 L. A 2 L. A 1 L. A 2 L.				
Sept. 6.		3	A 1 L. A 2 L. A 1 L. A 2 L.					7. 16.		3	A 1 L. A 2 L. A 1 L. A 2 L. A 1 L. A 2 L. A 1 L. A 2 L. A 1 L. A 2 L.				
7.		3	A 1 L. A 2 L. A 1 L. A 2 L.					8. 16.		3	A 1 L. A 2 L. A 1 L. A 2 L. A 1 L. A 2 L. A 1 L. A 2 L. A 1 L. A 2 L.				
8.		1	A 1. A 1 L. A 2 L.					12. 19.		1	A 1 L. A 2 L. A 1 L. A 2 L. A 1 L. A 2 L. A 1 L. A 2 L. A 1 L. A 2 L.				
11.		2	A 1. A 1 L. A 2 L.					12. 28.		2	A 1 L. A 2 L. A 1 L. A 2 L. A 1 L. A 2 L. A 1 L. A 2 L. A 1 L. A 2 L.				
25.		3	A 1 L. A 2 L. A 1 L. A 2 L.					Dec. 28.		3	A 1 L. A 2 L. A 1 L. A 2 L. A 1 L. A 2 L. A 1 L. A 2 L. A 1 L. A 2 L.				
Nov. 10.	Singapore ...	1	A 1 L. A 1. A 1 L. A 2 L.							2	A 1 L. A 2 L. A 1 L. A 2 L. A 1 L. A 2 L. A 1 L. A 2 L. A 1 L. A 2 L.				
13.		2	A 1. A 2. A 1 L. A 2 L.							3	A 1 L. A 2 L. A 1 L. A 2 L. A 1 L. A 2 L. A 1 L. A 2 L. A 1 L. A 2 L.				
14.		3	A 1 L. A 2 L. A 1 L. A 2 L.							3	A 1 L. A 2 L. A 1 L. A 2 L. A 1 L. A 2 L. A 1 L. A 2 L. A 1 L. A 2 L.				

* C. the correction applied to the needle, the poles remaining unchanged.

TABLE F.

Date.	Name of Station.	Circle.	Needle.	Poles.		Dip.	Mean Dip.	Date.	Name of Station.	Circle.	Needle.	Poles.		Dip.	Mean Dip.
				Direct.	Reversed.							Direct.	Reversed.		
1849.				—	—	—	South.	1849.				+	+	+	North.
Jan. 2.	Malacca	1	A 1.	C. 0	11 27'4	11 27'4	—		Hastings' Island.	2	A 1.	3 19'8	5 42'3	4 31'0	+
			A 1 L.	11 10'8	C. 16'3	11 27'1					A 2.	3 51'3	5 11'4	4 31'3	
			A 2.	11 27'1	C. 2'0	11 29'1					A 1 L.	4 46	4 26'9	4 36'9	
3.		2	A 1.	12 36'3	10 18'2	11 27'2				3	A 2 L.	4 20'5	4 44'7	4 32'6	
			A 2.	12 04'9	10 48'7	11 26'8					A 2.	4 51	4 16'7	4 33'8	
			A 1 L.	11 38'1	11 23'6	11 30'8		April 14.	Moulmein ...	2	A 1 L.	4 11	4 58	4 34'5	4 32'2
			A 2 L.	11 42'0	11 13'2	11 27'6					A 1.	16 41'4	18 49'4	17 45'4	
		3	A 2.	11 04'6	11 49'8	11 27'2		17.			A 2.	17 06'0	18 24'8	17 45'4	
			A 1 L.	11 43'2	11 12'0	11 27'6	11 27'9	21.			A 1 L.	17 58	17 52'3	17 55'1	
10.	Pulo Dinding.	1	A 1.	7 31'3	7 31'6	7 31'4				1	A 1.	17 53'9	17 42'7	17 48'3	
			A 1 L.	7 14'7	7 47'4	7 31'0					A 1 L.	17 54'5	17 43'1	17 48'8	
			A 2 L.	7 26'9	7 30'9	7 28'9		24.			A 2 L.	17 51	17 41'7	17 46'3	
		2	A 1.	8 42'6	6 24'4	7 33'5				3	A 2.	18 07'8	17 31'7	17 49'7	
			A 2.	8 07'4	6 58'7	7 33'0		May 23.			A 1 L.	17 37'7	18 10	17 53'8	17 49'1
			A 1 L.	7 34'7	7 38'4	7 36'5			Madras	3	A 1 L.	7 16'0	7 59'1	7 37'5	
			A 2 L.	7 50'3	7 27'7	7 39'0				1	A 1.	7 38'4	7 34'5	7 36'5	
		3	A 2.	7 18'7	7 56'2	7 37'4				1	A 1 L.	7 41'8	7 35'5	7 38'6	
			A 1 L.	7 46'1	7 22'4	7 34'2	7 33'9	24.		1	A 2 L.	7 47'6	7 32'0	7 39'8	
20.	Pulo Penang .	1	A 1.	5 00'4	4 57'5	4 59'0		26.		2	A 1.	6 24'9	8 43'0	7 34'0	
			A 1 L.	4 34'3	5 11'0	4 52'6					A 2.	6 55'9	8 11'7	7 33'8	
			A 2 L.	4 48'9	5 01'2	4 55'0					A 1.	6 24'9	8 48'3	7 36'6	
		2	A 1.	6 07'8	3 40'2	4 54'0				3	A 1 L.	7 44'1	7 37'1	7 40'6	
			A 2.	5 33'3	4 15'0	4 54'1					A 2 L.	7 25'6	7 50'7	7 38'1	
			A 1 L.	4 58'3	4 55'0	4 56'6					A 2.	7 59'0	7 17'5	7 38'2	
			A 2 L.	5 07'3	4 47'3	4 57'3		July 24.			A 1 L.	7 27'5	7 57'3	7 42'4	
25.		3	A 1 L.	5 07'9	4 48'8	4 58'3				2	A 1.	6 28'6	8 52'2	7 40'4	
			A 2.	4 35'4	5 10'3	4 52'8	4 55'5				A 2.	6 55'7	8 17'8	7 36'7	
				+	+	+	North.				A 1 L.	7 46'3	7 29'9	7 38'1	
Feb. 5.	Car Nicobar...	1	A 1.	1 20	1 13'2	1 16'6		27.		1	A 2 L.	7 27'2	7 51'2	7 39'2	
			A 1 L.	1 35'1	1 01'5	1 18'3					A 1.	7 35'3	7 37'7	7 36'5	
			A 2 L.	1 21'8	1 11'8	1 16'8		28.			A 1 L.	7 41'8	7 28'8	7 35'3	
6.		2	A 1.	0 07'1	2 28'6	1 17'8				1	A 1 L.	7 47'0	7 29'5	7 38'2	
			A 2.	0 39'0	2 00'3	1 19'6				3	A 2.	7 59'5	7 14'5	7 38'0	
			A 1 L.	1 18'2	1 22'3	1 20'2		Aug. 30.		3	A 1 L.	7 25'5	7 56'7	7 41'1	
			A 2 L.	1 08'7	1 23'8	1 16'2				1	A 1.	7 35'6	7 33'1	7 34'3	
12.		3	A 2.	1 38'2	0 52'9	1 15'5	+			1	A 1 L.	7 37'6	7 29'7	7 33'6	
			A 1 L.	1 05'6	1 32	1 18'8	1 17'8			1	A 2 L.	7 48'8	7 27'9	7 38'3	
				—	—	—	South.			2	A 1.	6 23'1	8 48'1	7 35'6	
17.	Noncowry Harbour.	3	A 1 L.	1 13'8	0 44'1	0 58'9	—			2	A 2.	6 54'5	8 17'8	7 36'1	
19.	Bompoko.....	3	A 1 L.	0 34'9	0 17'3	0 26'1	0 57'4			2	A 1 L.	7 25'0	7 54'8	7 39'9	
			A 2	0 05'7	0 45'8	0 25'7	0 25'9			2	A 2 L.	7 22'2	7 54'7	7 38'4	
				+	+	+	+			3	A 2.	8 00'8	7 19'8	7 40'3	
Mar. 26.	Hastings' Island.	1	A 1.	4 30'5	4 35'0	4 32'7	North.			3	A 1 L.	7 23'3	7 53'3	7 38'3	7 37'7
			A 1 L.	4 46'6	4 07'4	4 27'0									
			A 2 L.	4 38'7	4 22'6	4 30'6									

TABLE F.

General Table containing the mean result of all the Dips determined both on Shore and at Sea, and the whole reduced to one common Epoch, viz. January 1, 1848.

Station.	Date.	Latitude.	Longitude.	Dip observed.	Dip deduced, Jan. 1, 1848.	Place of observation.
Singapore	April, 1846 ...	+1° 18' 32" N.	103° 56' 30" E.	-12° 47' 0" S.	-12° 51' 8" S.	Magnetic Observatory.
Singapore	March, 1848 ..	.....	.....	12 56·8	12 56·2	Magnetic Observatory.
Singapore	January, 1849 ..	.....	.....	12 59·4	12 56·7	Magnetic Observatory.
BORNEO.						
Sarawak	July, 1846 ...	1 33 54	110 29 00	11 10·9	11 14·9	Near Sir J. BROOKE'S House.
Sambas .....	.....	1 22 00	109 28 00	11 27·0	11 31·0	Resident's Garden.
Permanket .....	.....	1 10 29	109 04 15	12 31·8	12 35·8	Near the mouth of the River.
Pontianak	August, 1846 .	-0 01 19 S.	109 30 00	14 41·3	12 45·0	Garden of the Resident.
Succadana .....	.....	1 15 33	109 57 00	16 58·4	17 02·1	Garden of Assistant Resident.
JAVA.						
Batavia	Sept. 1846 ...	6 09 52	106 58 00	27 03·00	27 06·6	Magnetic Observatory in the middle of a large rice-field, termed Sāwa Besār.
Batavia	Nov. 1846 ...	.....	.....	26 57·2	27 00·2	
Batavia .....	.....	.....	.....	27 02·4	27 05·4	
Batavia	July, 1847 ...	.....	.....	27 08·2	27 09·5	Garden of Resident.
Ceram	October, 1846 ..	6 07 05	106 15 00	27 11·0	27 14·2	
Anjeer .....	.....	6 02 47	106 01 00	26 28·8	26 32	
Cheringin .....	.....	6 22 05	105 56 45	27 30·8	27 34	Garden of Assistant Resident.
Palambangan .....	.....	6 31 00	105 54 45	28 05·4	28 08·6	Garden of Bungalow.
Chebiliang .....	.....	6 47 00	105 49 15	28 37·9	28 41·1	Garden of Bungalow.
Chelangakan .....	.....	6 54 00	106 06 45	28 20·7	28 23·9	Close to the Public Bungalow.
Goonong Dādap .....	.....	6 28 00?	106 06 00	27 28·5	27 31·7	
Woorong Goonong .....	.....	6 11 00?	106 10 00?	27 20·0	27 23·2	
Tanāra .....	.....	6 08 00?	106 40 00?	27 02·6	27 05·8	Near the Assistant Resident's House.
Tegu	December.	6 43 04	106 58 45	28 42·4	28 45·4	Garden of Assistant Resident.
Pangerango .....	.....	6 51 00	106 59 00	29 42·7	29 45·7	Garden of Bungalow.
Chunjūr .....	.....	6 50 08	107 09 45	28 23·1	28 26·1	Top of the Mountain near the Bun- garden of Resident. [galow.
Kārang Tengga .....	.....	6 58 16	106 47 45	28 21·1	28 24·1	Garden of Bungalow.
Chebrānok .....	.....	6 57 14	106 25 30	28 27·8	28 30·8	Close to the River.
Wine Cooper's Bay .....	.....	7 05 00?	106 36 00	29 18·5	29 21·5	Garden of Bungalow.
Chilotoe .....	.....	7 11 17	106 27 00	28 51·3	28 54·3	Garden of Bungalow.
Pangangbahan .....	.....	7 30 37	106 19 00	29 41·4	29 44·4	Garden of Bungalow.
Mooaro Chikasso .....	.....	7 28 00	106 38 00	30 05·3	30 08·3	Garden of Bungalow.
Sidang Bārang .....	.....	7 30 00	107 10 00	30 12·0	30 15·0	Garden of Bungalow.
Bejong Petair .....	.....	7 13 36	107 02 00	29 33·5	29 36·5	Garden of Bungalow.
Bandong .....	.....	6 55 44	107 40 30	28 31·4	28 34·4	Garden of Regent.
Garoct .....	.....	7 13 54	107 55 00	28 58·5	29 01·5	Garden of Bungalow.
Permangpek .....	.....	7 39 23	107 45 15	30 11·8	30 14·8	Garden of Bungalow.
Cherignuktok	January, 1847	7 38 25	108 09 45	30 08·2	30 10·9	Garden of Bungalow.
Kālipoochen .....	.....	7 39 02	108 52 30	29 51·2	29 53·9	Garden of Assistant Resident.
Banjeer .....	.....	7 23 08	108 42 00	29 07·2	29 09·9	Garden of Bungalow.
Chāwee .....	.....	7 09 34	108 23 00	28 39·2	28 41·9	Garden of Bungalow.
Samadang .....	.....	6 51 14	108 04 45	27 57·5	28 00·2	Garden of Inn.
Cheribon .....	.....	6 43 34	108 42 00	27 49·3	27 52·0	Garden of Inn.
Indramāyu	February.	6 19 35	108 25 45	27 28·5	27 30·9	Garden of Assistant Resident.
Tegal .....	.....	6 51 57	109 15 30	28 02·7	28 05·1	Garden of Inn.
Samārang .....	.....	6 59 42	110 30 45	27 02·2	27 04·6	Mr. M ^c LACHLAN'S Garden.
Japara .....	.....	6 36 07	110 38 15	27 27·5	27 29·9	Garden of Regent.
Ambarāwa .....	.....	7 16 08	110 28 45	29 25·3	29 27·7	Garden of General VAN DER WYCK.
Balembang .....	.....	7 24 00?	110 37 30	29 00·0	29 02·4	Garden of Mr. FORRESTIER.
Solo .....	.....	7 35 00	110 53 30	29 10·3	29 12·7	Garden near the Inn.
Nyāwee	March.	7 23 52	111 29 15	28 57·7	28 59·9	Garden of Engineer Commandant.
Bankāwa .....	.....	7 00 26	112 21 00	27 45·1	27 47·3	On the bank of the River Solo.
Soorabāya .....	.....	7 16 01	112 44 30	28 50·8	28 53·0	Mr. FRAZER'S garden. [lace-
Sūmenap	April.	7 00 26	113 51 15	27 43·8	27 45·8	Ground in front of the Sultan's Pa-
Pulo Kuneang .....	.....	6 51 32	115 16 30	27 23·6	27 25·6	Garden of Bungalow.
Bczooki	May.	7 43 29	113 42 45	29 05·7	27 07·5	Garden of Resident.
Kedeeri .....	.....	7 48 29	112 00 00	29 50·4	29 52·2	Garden of Resident.
Patchitan	June.	8 12 56	111 05 30	30 34·5	30 36	Garden of Resident.
Munoori .....	.....	7 35 22	110 04 00	29 19·0	29 20·5	Garden of Bungalow.
Kārang Bolong .....	.....	7 45 44	109 27 00	29 54·4	29 55·9	Garden of Bungalow.
Chilāchap .....	.....	7 44 29	108 57 15	29 44·3	29 45·8	Garden of Bungalow.
Aji Bārang .....	.....	7 24 49	109 03 30	27 20·8	27 22·1	Garden of Bungalow.
SUMATRA.						
Telok Betoug, Lampong Bay	September.	5 26 12	105 20 15	26 14·8	26 15·7	Garden of Assistant Resident.
Poolo Bay, near Bencoolen.	.....	3 53 54	102 28 45	23 53·1	23 54·0	Close to the Bay.
Padang	November.	0 58 58	100 31 15	18 31·7	18 32·2	Near the sea-shore.
Solok .....	.....	0 47 05 S.	100 55 45 E.	17 53 S.	17 50·8 S.	Garden of Commandant.

TABLE F.

Station.	Date.	Latitude.	Longitude.	Dip observed.	Dip deduced, Jan. 1, 1848.	Place of observation.
SUMATRA.						
Sijonjong	Nov. 1847 ...	-0° 41' 47" S.	101° 19' 30" E.	-17° 49' 3" S.	-17° 49' 8" S.	Garden of Commandant.
Bua Panjang		0 28 09	101 08 00	17 10-9	17 11-4	Garden of Commandant.
Payacombo		0 13 10	101 04 45	16 37-7	16 38-2	Garden of Commandant.
Fort Vande Capellen		0 27 34	101 03 00	17 11-8	17 12-3	Garden of Commandant.
Padang Panjang		0 22 00?	100 42 30	17 47-0	17 47-5	Garden of Inn.
Fort de Kock	December.	0 13 00?	100 27 15	16 59-4	16 59-6	Garden of Assistant Resident.
Menindjo		0 13 00?	100 14 00	17 00-4	17 00-6	Garden of Assistant Resident.
Balembangan		0 11 44	100 10 15	16 47-1	16 47-3	Garden of Assistant Resident.
Peesang		0 07 55	100 12 00	16 33-2	16 33-4	Garden of Bungalow.
Bonjol		0 00 52	100 13 00	16 38-3	16 38-5	Garden of Assistant Resident.
Loobisikapping		+0 06 55 N.	.....	16 08-1	16 08-3	Garden of Controleur.
Batoo Bedindi		0 16 00	.....	15 49-0	15 49-2	Garden of Bungalow.
Lender		0 24 24	100 04 00	15 35-0	15 35-2	Garden of Bungalow.
Rau		0 33 07	99 56 45	15 37-2	15 37-4	Garden of Assistant Resident.
Pionghay		0 36 19	99 52 15	15 50-0	15 50-2	Garden of Bungalow.
Batong		0 39 00	99 47 15	15 41-3	15 41-5	Garden of Bungalow.
Kotanopan		0 42 00	99 42 45	15 19-7	15 19-9	Garden of Bungalow.
Tana Batoo		0 44 26	99 30 45	15 02-9	15 03-1	Garden of Bungalow.
Fort Elout		0 50 56	99 32 20	14 47-9	14 48-1	Garden of Bungalow.
Singalangan		1 14 48	.....	14 11-7	14 11-9	Garden of Bungalow.
Padang Sidom pang		1 22 33	99 22 45	13 46-8	13 47-0	Garden of Commandant.
Sibogha		1 44 42	98 56 15	13 02-3	13 02-5	Garden of Resident.
Báros		2 00 51	98 31 30	12 57-8	12 58-0	Garden of Assistant Resident.
Sinkel		2 16 37	97 51 35	12 23-3	12 23-5	Garden of Commandant.
Pulonias, Goonong Satoolie	Jan. 1848.....	1 17 35	97 40 30	14 05-6	14 05-8	Garden of Commandant.
Natal		0 33 44	99 20 15	15 32-2	15 32-4	Garden of Assistant Resident.
Mount Ophir, near Malacca	April 1848 ...	2 22 ?	102 38 ?	9 55-8	9 55-1	Top of Mount Ophir.
At sea	Apr. 25.	2 20	107 11	9 56-8	9 56-1	At sea.
At sea	Apr. 26.	2 17	107 49	9 25-6	9 24-9	At sea.
At sea	Apr. 27.	2 42	108 03	9 57-4	9 56-7	At sea.
At sea	Apr. 28.	2 48	109 25	8 39-8	8 39-1	At sea.
At sea	Apr. 29.	3 19	111 18	7 17-0	7 16-3	At sea.
At sea	May 1.	4 45	113 45	4 06-6	4 05-6	At sea.
At sea	May 2.	5 16	115 16	2 53-7	2 52-7	At sea.
Pulo Labooan	May.	5 16 59	115 18 15	2 52-6	2 51-6	Near the flag-staff.
At sea	May 11.	5 41	115 05	1 33-1	1 32-1	At sea.
At sea	May 12.	6 23	116 09	+ 0 03-7 N.	+ 0 02-7 N.	At sea.
At sea	May 13.	7 25	117 18	1 46-6	1 45-6	At sea.
At sea	May 14.	7 11	118 44	1 32-6	1 31-6	At sea.
At sea	May 15.	7 07	119 50	1 34-3	1 33-3	At sea.
At sea	May 16.	7 15	120 30	1 33-8	1 32-8	At sea.
At sea	May 17.	7 13	120 44	1 26-8	1 25-8	At sea.
At sea	May 18.	6 54	121 30	0 37-4	0 36-4	At sea.
At sea	May 19.	7 03	121 18	0 50-6	0 49-6	At sea.
At sea	May 20.	7 09	121 50	0 57-7	0 56-7	At sea.
Samboanga	June.	6 54 20	122 13 45	1 19-3	1 18-2	On the spot where Sir E. BELCHER
At sea	June 3.	6 25	122 44	- 0 25-0 S.	- 0 23-9 S.	observed.
At sea	June 5.	5 19	125 03	2 34-5	2 33-4	At sea.
At sea	June 6.	4 24	124 00	4 14-5	4 13-4	At sea.
At sea	June 7.	3 56	124 40	5 17-2	5 16-1	At sea.
At sea	June 8.	3 34	124 20	5 42-6	5 41-6	At sea.
At sea	June 9.	3 37	125 20	5 50-4	5 49-3	At sea.
At sea	June 10.	3 20	125 00	6 22-2	6 21-1	At sea.
At sea	June 11.	3 02	125 21	6 56-6	6 55-5	At sea.
At sea	June 12.	2 26	125 24	8 18-0	8 16-9	At sea.
At sea	June 13.	1 59	125 27	8 54-0	8 52-9	At sea.
At sea	June 14.	1 47	125 27	9 44	9 42-9	At sea.
At sea	June 15.	1 34	125 21	9 57-1	9 56-0	At sea.
Keemah	July.	1 21 55	125 07 59	11 02-7	11 01-4	In a garden near the village.
Tondano	July.	1 17 31	124 59 11	10 55-6	10 54-3	Garden of Missionary.
Manado	July.	1 29 11	124 51 11	10 44-9	10 43-6	Garden near the fort.
At sea	July 7.	0 38 51	126 29	11 48-8	11 47-5	At sea.
At sea	July 8.	0 26 52	127 05	12 44-5	12 43-2	At sea.
At sea	July 10.	-0 11 S.	128 42	13 51-2	13 49-9	At sea.
At sea	July 11.	0 33	127 55	14 24-5	14 23-2	At sea.
At sea	July 12.	1 25	128 00	16 42-1	16 40-8	At sea.
At sea	July 13.	1 32	128 05	16 33-1	16 31-8	At sea.
At sea	July 14.	1 29	128 12	16 48-7	16 47-4	At sea.
At sea	July 15.	2 13	127 57	17 28-3	17 27-0	At sea.
At sea	July 17.	2 55	126 00	19 14-5	19 13-2	At sea.
At sea	July 21.	4 20	123 10	22 21-7	22 20-4	At sea.
At sea	July 22.	5 05	122 30	23 39-6	23 38-3	At sea.
At sea	July 24.	5 46	121 03	25 03-5	25 02-2	At sea.
At sea	July 25.	5 51	-119 36	25 18-3	25 17-0	At sea.

TABLE F.

Station.	Date.	Latitude.	Longitude.	Dip observed.	Dip deduced, Jan. 1, 1848.	Place of observation.
SUMATRA.						
At sea.....	July 28, 1848	- 5° 34' " S.	112° 20' " E.	-25° 26'1 S.	- 25° 24'8 S.	At sea.
At sea.....	July 29.	5 30	110 12	25 21.1	25 19.8	At sea.
At sea.....	July 31.	5 58	106 55	26 24.1	26 22.8	At sea.
At sea.....	Aug. 12.	6 10	107 04	26 47.8	26 46.3	At sea.
At sea.....	Aug. 16.	6 04	105 27	26 32.0	26 30.5	At sea.
At sea.....	Aug. 17.	6 32	105 00	27 29.7	27 28.2	At sea.
At sea.....	Aug. 20.	6 35	104 45	27 36.7	27 35.2	At sea.
Cocos or Keeling Island ...	September.	12 05 38	96 50 30	39 20.0	39 18.5	Cocoa Nut Plantation, Direction
At sea.....	Oct. 4.	6 12	103 30	27 03.6	27 01.6	At sea.
At sea.....	Oct. 5.	5 38	103 17	25 40.3	25 38.3	At sea.
At sea.....	Oct. 22.	5 23	106 37	24 58.5	24 56.5	At sea.
At sea.....	Oct. 23.	3 24	105 58	21 46.7	21 44.7	At sea.
At sea.....	Oct. 24.	3 12	105 45	20 58.0	20 56.0	At sea.
At sea.....	Oct. 25.	2 51	105 38	20 23.2	20 21.2	At sea.
At sea.....	Oct. 26.	2 17	105 29	19 38.6	19 36.6	At sea.
At sea.....	Oct. 27.	2 06	104 44	19 19.9	19 17.9	At sea.
At sea.....	Oct. 30.	1 39	104 32	18 17.0	18 15.0	At sea.
At sea.....	Oct. 31.	1 23	105 07	17 59.8	17 57.8	At sea.
At sea.....	Nov. 1.	1 11	105 00	17 36.0	17 34.0	At sea.
At sea.....	Nov. 3.	+ 0 46 N.	105 20	14 03.2	14 01.0	At sea.
At sea.....	Nov. 4.	1 08	105 20	12 58.9	12 56.7	At sea.
At sea.....	Nov. 5.	1 16	103 55	13 15.2	13 13.0	At sea.
At sea.....	Jan. 1, 1849	1 40	102 51	12 04.1	12 01.4	At sea.
Malacca	Jan. 2.	2 11 19	102 17 00	11 27.9	11 25.2	Near the fort.
At sea.....	Jan. 4.	2 10	102 15	11 27.3	11 24.6	At sea.
At sea.....	Jan. 8.	3 54	100 25	7 44	7 41.3	At sea.
Pulo Dinding	January.	4 12 47	100 32 52	7 33.9	7 31.2	On the sea-shore.
Pulo Penang	February.	5 25 36	100 24 38	4 55.5	4 52.8	To the north and westward of Fort
At sea.....	Feb. 1.	7 53	97 13	0 03.3	0 00.3	At sea.
Car Nicobar	February.	9 10 12	92 48 23	+ 1 17.8 N.	+ 1 14.8 N.	On the sea-shore.
Noncowry Harbour		8 01 42	93 39 20	- 0 57.4 S.	- 0 54.4 S.	On an elevation near the shore.
Bompoko		8 14 05	93 19 20	0 25.9	0 22.9	In the village.
At sea.....	Mar. 19.	6 59	98 30	1 31.2	1 28.0	At sea.
At sea.....	Mar. 20.	8 06	97 34	+ 0 31.2 N.	+ 0 28.0 N.	At sea.
At sea.....	Mar. 21.	8 40	97 52	1 24.1	1 20.9	At sea.
At sea.....	Mar. 22.	9 11	98 10	2 49.0	2 45.8	At sea.
At sea.....	Mar. 23.	9 46	98 16	3 54.8	3 51.6	At sea.
Hastings' Island	Mar. 26.	10 06 45	98 21 15	4 22.2	4 19.0	On the sea-shore.
At sea.....	Mar. 29.	10 22	97 44	4 36.8	4 33.6	At sea.
At sea.....	Mar. 30.	11 01	97 30	5 52.2	5 49.0	At sea.
At sea.....	Mar. 31.	11 21	97 17	6 52.0	6 48.8	At sea.
At sea.....	April 2.	12 17	97 35	8 43.2	8 39.7	At sea.
At sea.....	April 3.	12 25	97 34	9 00.7	8 57.2	At sea.
At sea.....	April 5.	14 44	97 21	13 47.7	13 44.2	At sea.
At sea.....	April 6.	15 07	97 26	14 51.6	14 48.1	At sea.
At sea.....	April 7.	16 04	97 34	17 12.7	17 09.2	At sea.
Moulmein	April,	16 29 46	97 45 30	17 49.1	17 45.6	Garden of Captain Scorr.
Madras	May,	13 04 09	80 16 00	7 37.7	7 34.2	Garden of Observatory.

TABLE G.

Absolute Horizontal Intensity at various Stations in the Eastern Archipelago, from observations made with the Induction Inclinator, with the Observatory Unifilar Magnetometer, and with JONES'S Portable Unifilar Magnetometer.

Date.	Station.	Magnets employed.		Exp. of deflec.		Observed time of 300 vibrations.	Declinometer.	Results.		General mean.	Date.	Station.	Magnets employed.		Exp. of deflec.		Observed time of 300 vibrations.	Declinometer.	Results.		General mean.
		Suspended.	Deflecting.	Dist.	Angles.			m.	X.				Suspended.	Deflecting.	Dist.	Angles.			m.	X.	
1846. Mar. 20.	Singapore.	H 12	D 5	1-20 2 34 00 1-30 2 01 03 1-40 1 36 56 1-60 1 04 56 1-70 0 54 13 1-80 0 45 37 1-90 0 38 57 2-00 0 33 18 2-20 0 24 58	seconds. 1158-0	O	0-316 8-135 0-316 8-140 0-316 8-141 0-316 8-144 0-316 8-138 0-316 8-144 0-317 1-128 0-316 8-139 0-316 8-148				1848. Feb. 18.	Singapore.	H 11	A 8	1-25 1 33 12 1-30 1 22 59 1-25 2 14 59 1-30 2 00 03 1-35 1 47 13 1-40 1 36 14	seconds. 1064-7	I.	0-216 8-131 0-217 8-124 0-312 8-105 0-312 8-108 0-312 8-109 0-312 8-105			
		H 12	D 6	1-20 2 29 20 1-30 1 57 32 1-40 1 34 01 1-50 1 16 26 1-60 1 03 02	1170-4		0-306 8-112 0-306 8-121 0-305 8-127 0-306 8-119 0-306 8-116			Mar. 7.		H 12	D 5	1-25 2 07 05 1-30 1 52 53 1-35 1 40 44 1-40 1 30 22	1202-5	O.	0-274 8-113 0-274 8-116 0-274 8-117 0-274 8-115 0-294 8-124				
		H 12	D 6	1-70 0 52 38 1-80 0 44 26 1-90 0 37 27 2-00 0 32 10 2-10 0 27 54 2-20 0 24 15 2-30 0 21 10	1170-4		0-306 8-110 0-306 8-102 0-306 8-120 0-305 8-131 0-306 8-115 0-306 8-118 0-305 8-129					H 12	A 7	1-30 2 08 44 1-35 1 54 58 1-40 1 43 12 1-45 1 32 48	861-0		0-336 8-113 0-336 8-114 0-336 8-111 0-335 8-116				
28.		H 12	D 5	1-25 2 16 41 1-30 2 01 31 1-35 1 48 30 1-40 1 37 13	1158-0		0-317 8-133 0-316 8-133 0-316 8-136 0-316 8-139					H 12	A 8	1-15 1 59 09 1-20 1 45 06 1-25 1 32 53 1-30 1 22 35	1064-7		0-216 8-135 0-216 8-130 0-216 8-142 0-216 8-140				
31.		H 11	D 5	1-25 2 17 40 1-30 2 02 20 1-35 1 49 10 1-40 1 37 55	1158-0	I.	0-318 8-098 0-318 8-101 0-318 8-105 0-318 8-104						H 12	A 10	1-25 1 58 19 1-30 1 45 07 1-35 1 33 54 1-40 1 24 16	951-3		0-312 8-101 0-312 8-099 0-312 8-099 0-312 8-103			
		H 11	D 6	1-25 2 12 22 1-30 1 57 32 1-35 1 45 05 1-40 1 34 11	1170-4		0-306 8-111 0-306 8-116 0-306 8-112 0-306 8-115			Feb. 19.		H 11	D 5	1-25 2 06 58 1-30 1 55 02 1-35 1 46 50 1-40 1 30 20	1202-5	I.	0-275 8-102 0-275 8-102 0-275 8-102 0-275 8-100				
April 1.		H 12	D 6	1-25 2 11 32 1-30 1 57 02 1-35 1 44 33 1-40 1 33 40		O.	0-305 8-134 0-305 8-132 0-305 8-131 0-305 8-135					H 11	A 7	1-30 2 09 08 1-35 1 55 13 1-40 1 43 20 1-45 1 32 58	861-0		0-293 8-126 0-293 8-131 0-293 8-134 0-336 8-101				
2.		H 11	A 8	1-15 2 10 19 1-40 1 12 26	1020-9		0-236 8-133 0-236 8-133					H 11	A 8	1-15 1 59 23 1-20 1 45 12 1-25 1 33 10	1064-7		0-336 8-107 0-336 8-107 0-336 8-110				
3.		H 11	A 10	1-25 2 15 52 1-40 1 36 49	889-4		0-315 8-100 0-315 8-101							1-30 1 22 52 1-25 2 14 29			0-216 8-127 0-216 8-126 0-216 8-130				
		H 12	A 10	1-25 2 15 01 1-40 1 36 17			0-314 8-114 0-314 8-111					H 11	A 9	1-25 2 14 29 1-30 1 59 25 1-35 1 46 44	881-4		0-311 8-121 0-311 8-128 0-311 8-124				
11.		H 12	A 6	1-20 2 13 43 1-40 1 24 28 1-20 2 14 46 1-40 1 25 16	949-2	I.	0-276 8-129 0-276 8-133 0-276 8-110 0-277 8-097					H 11	A 10	1-25 1 58 26 1-30 1 45 23 1-35 1 34 07 1-40 1 24 26	951-3		0-311 8-121 0-311 8-124 0-311 8-121 0-274 8-119				
		H 12	A 9	1-30 2 02 57 1-40 1 38 30	869-46	O.	0-321 8-108 0-320 8-117							1-25 2 06 50 1-30 1 52 44 1-35 1 40 41			0-274 8-117 0-274 8-117 0-274 8-115				
13.		H 11	A 9	1-30 2 03 45 1-40 1 39 09	868-10	I.	0-321 8-105 0-321 8-103			Mar. 8.		H 12	D 5	1-25 2 06 50 1-30 1 52 44 1-35 1 40 41	1202-5	O.	0-321 8-103 0-354 8-103 0-353 8-112				
		H 11	A 7	1-30 2 15 54 1-40 1 48 39	840-5		0-353 8-118 0-353 8-116		8-121				H 12	A 7	1-30 2 08 50 1-35 1 55 09 1-40 1 43 20 1-45 1 32 59	861-0		0-353 8-118 0-353 8-116 0-336 8-108 0-334 8-111			
1848. Feb. 18.		H 11	D 5	1-25 2 07 47 1-30 1 53 35 1-35 1 41 20 1-40 1 30 49	1202-5	I.	0-294 8-107 0-294 8-108 0-294 8-109 0-294 8-114						H 12	A 8	1-15 1 58 48 1-20 1 44 57 1-25 1 32 54 1-30 1 22 32	1064-7		0-294 8-108 0-294 8-109 0-294 8-114 0-336 8-095			
		H 11	A 7	1-30 2 09 25 1-35 1 55 40 1-40 1 43 50 1-45 1 33 39	861-0		0-336 8-094 0-337 8-090 0-337 8-089 0-216 8-127						H 12	A 9	1-25 2 14 17 1-30 1 59 21 1-35 1 46 38 1-40 1 35 35	881-4		0-336 8-094 0-337 8-089 0-337 8-089 0-216 8-127			
		H 11	A 8	1-15 1 59 37 1-20 1 45 20	1064-7		0-216 8-124						H 12	A 10	1-25 1 58 17	951-3		0-312 8-108 0-312 8-111 0-275 8-094			

TABLE G.

Date.	Station.	Magnets employed.		Exp. of deflec.		Observed time of 300 vibrations.	Declinometer.	Results.		General mean.	Date.	Station.	Magnets employed.		Exp. of deflec.		Observed time of 300 vibrations.	Declinometer.	Results.		General mean.
		Suspended.	Deflecting.	Dist. r, r', r'', &c.	Angles. a, a', a'', &c.			m.	X.				Suspended.	Deflecting.	Dist. r, r', r'', &c.	Angles. a, a', a'', &c.			m.	X.	
1848. Mar. 9.	Singapore.	H 12	A 10	1-30	1 45 10	seconds.		0-275	8-098		1848. Mar. 14.	Singapore.	H 12	A 7	1-45	1 32 41	seconds.		0-335	8-119	
				1-35	1 33 56			0-275	8-100				H 12	A 8	1-15	1 59 00	1064-7		0-216	8-139	
				1-40	1 24 26			0-275	8-091						1-20	1 44 38			0-216	8-147	
Feb. 21.		H 11	D 5	1-25	2 07 20	1202-5	I.	0-294	8-118						1-25	1 32 44			0-216	8-148	
				1-30	1 53 08			0-294	8-121						1-30	1 22 28			0-216	8-145	
				1-35	1 41 01			0-294	8-121				H 12	A 9	1-25	2 14 03	881-4		0-312	8-110	
				1-40	1 30 52			0-294	8-108						1-30	1 59 11			0-312	8-112	
		H 11	A 7	1-30	2 09 12	861-0		0-336	8-098						1-35	1 46 27			0-311	8-114	
				1-35	1 55 23			0-336	8-100						1-40	1 35 28			0-311	8-115	
				1-40	1 43 32			0-336	8-100		17.		H 12	A 10	1-25	1 58 13	951-3		0-275	8-096	
				1-45	1 33 16			0-336	8-095						1-30	1 45 04			0-275	8-102	
				1-15	1 59 41	1064-7		0-217	8-116						1-35	1 33 34			0-274	8-116	
				1-20	1 45 32			0-217	8-113						1-40	1 24 08			0-274	8-106	
				1-35	1 33 22			0-217	8-120		Feb. 23.		H 11	D 5	1-25	2 07 05	1202-5	I.	0-293	8-129	
				1-40	1 23 01			0-217	8-118						1-30	1 52 55			0-293	8-131	
		H 11	A 9	1-25	2 14 50	881-4		0-312	8-110						1-35	1 40 52			0-293	8-130	
				1-30	1 59 53			0-312	8-113						1-40	1 30 15			0-293	8-129	
				1-35	1 47 05			0-312	8-111				H 11	A 7	1-30	2 08 56	861-0		0-336	8-111	
				1-40	1 36 02			0-312	8-111						1-35	1 55 14			0-336	8-109	
		H 11	A 10	1-25	1 58 39	951-3	I.	0-274	8-111						1-40	1 43 29			0-336	8-104	
				1-30	1 45 29			0-274	8-113						1-45	1 33 00			0-336	8-110	
				1-35	1 34 12			0-274	8-113		24.		H 11	A 8	1-15	1 59 29	1064-7		0-216	8-126	
				1-40	1 24 31			0-274	8-111						1-20	1 45 22			0-217	8-122	
Mar. 10.		H 12	D 5	1-25	2 06 32	1202-5	O.	0-293	8-141						1-25	1 33 18			0-216	8-126	
				1-30	1 52 47			0-293	8-133						1-30	1 22 48			0-216	8-132	
				1-35	1 40 23			0-293	8-147				H 11	A 9	1-25	2 15 01	881-4	I.	0-312	8-105	
				1-40	1 30 05			0-293	8-141						1-30	2 00 02			0-312	8-108	
		H 12	A 7	1-30	2 08 39	861-0		0-335	8-115						1-35	1 47 03			0-311	8-114	
				1-35	1 54 54			0-335	8-117						1-40	1 36 03			0-312	8-112	
				1-40	1 43 23			0-336	8-104				H 11	A 10	1-25	1 58 37	951-3		0-274	8-114	
				1-45	1 32 52			0-336	8-113						1-30	1 45 31			0-274	8-113	
		H 12	A 8	1-15	1 59 01	1064-7		0-216	8-139						1-35	1 34 04			0-274	8-120	
				1-20	1 44 49			0-216	8-140						1-40	1 24 29			0-274	8-114	
				1-25	1 32 48			0-216	8-145		Mar. 10.		H 12	D 5	1-25	2 06 38	1202-5	O.	0-293	8-137	
				1-30	1 22 25			0-216	8-148						1-30	1 52 33			0-293	8-140	
13.		H 12	A 9	1-25	2 14 12	881-4		0-312	8-107						1-35	1 40 34			0-293	8-138	
				1-30	1 59 17			0-312	8-111						1-40	1 30 08			0-293	8-140	
				1-35	1 46 39			0-312	8-108				H 12	A 7	1-30	2 09 01	861-0		0-336	8-101	
				1-40	1 35 41			0-312	8-108						1-35	1 55 22			0-336	8-097	
		H 12	A 10	1-25	1 57 54	951-3		0-274	8-108						1-40	1 43 20			0-336	8-102	
				1-30	1 44 50			0-274	8-112						1-45	1 32 56			0-336	8-107	
				1-35	1 33 40			0-274	8-112				H 12	A 8	1-15	1 58 55	1064-7		0-216	8-141	
				1-40	1 24 01			0-274	8-106						1-20	1 44 48			0-216	8-140	
Feb. 22.		H 11	D 5	1-25	2 07 21	1202-5	I.	0-294	8-118						1-25	1 32 49			0-216	8-143	
				1-30	1 53 09			0-294	8-120						1-30	1 22 31			0-216	8-142	
				1-35	1 41 01			0-294	8-121				H 12	A 9	1-25	2 14 10	881-4		0-312	8-109	
				1-40	1 30 46			0-294	8-112						1-30	1 59 26			0-312	8-107	
		H 11	A 7	1-30	2 09 16	861-0		0-336	8-095						1-35	1 46 40			0-312	8-108	
				1-35	1 55 31			0-336	8-094						1-40	1 35 45			0-312	8-106	
				1-40	1 43 38			0-336	8-093				H 12	A 10	1-25	1 58 19	951-3		0-275	8-096	
				1-45	1 33 14			0-336	8-096						1-30	1 45 11			0-275	8-100	
		H 11	A 8	1-15	1 59 46	1064-7		0-217	8-113						1-35	1 34 00			0-275	8-099	
				1-20	1 45 25			0-217	8-117						1-40	1 24 11			0-274	8-106	
				1-25	1 33 23			0-217	8-119		Nov. 16.		H 11	D 5	1-25	2 04 47	1215-9	I.	0-288	8-114	
				1-30	1 23 00			0-217	8-114						1-30	1 50 59			0-288	8-113	
		H 11	A 9	1-25	2 15 00	881-4		0-312	8-106						1-35	1 39 04			0-288	8-114	
				1-30	2 00 08			0-312	8-103						1-40	1 28 47			0-287	8-116	
				1-35	1 47 20			0-312	8-108		17.		H 11	A 7	1-30	2 06 41	867-7		0-331	8-127	
				1-40	1 36 16			0-312	8-101						1-35	1 53 13			0-331	8-125	
		H 11	A 10	1-25	1 58 47	951-3		0-274	8-107						1-40	1 41 38			0-331	8-122	
				1-30	1 45 37			0-274	8-108						1-45	1 31 36			0-331	8-117	
				1-35	1 34 19			0-274	8-109				H 11	A 8	1-15	1 55 17	1085-3		0-208	8-098	
				1-40	1 24 41			0-274	8-104						1-20	1 41 31			0-208	8-099	
Mar. 14.		H 12	D 5	1-25	2 06 39	1202-5	O.	0-293	8-137						1-25	1 29 57			0-208	8-097	
				1-30	1 52 43			0-293	8-136						1-30	1 19 54			0-208	8-103	
				1-35	1 40 46			0-293	8-134		25.		H 11	A 9	1-25	2 13 14	886-7		0-308	8-109	
				1-40	1 30 10			0-293	8-139						1-30	1 58 17			0-308	8-116	
		H 12	A 7	1-30	2 08 31	861-0		0-335	8-118						1-35	1 45 46			0-308	8-111	
				1-35	1 54 56			0-336	8-113						1-40	1 34 52			0-308	8-110	
				1-40	1 43 07			0-336	8-112				H 11	A 10	1-25	1 57 20	956-8		0-271	8-104	

TABLE G.

Date.	Station.	Magnets employed.		Exp. of deflec.		Observed time of 300 vibrations.	Declinometer.	Results.		General mean.	Date.	Station.	Magnets employed.		Exp. of deflec.		Observed time of 300 vibrations.	Declinometer.	Results.		General mean.
		Suspended.	Deflecting.	Dist.	Angles.			m.	X.				Suspended.	Deflecting.	Dist.	Angles.			m.	X.	
1848. Dec. 6.	Singapore.	B. A 10	1-30	1 43 52	seconds.	956-8	J.	0-271	8-097		1848. Dec. 22.	Singapore.	B. D 5	1-40	1 28 20	seconds.	1515-5	J.	0-287	8-133	
			1-35	1 32 52				0-271	8-094				B. A 7	1-10	3 27 52		868-7		0-331	8-103	
			1-40	1 23 10				0-271	8-101					1-15	3 02 08				0-331	8-103	
		H 12 D 5	1-05	3 29 19	1215-9		O.	0-287	8-124					1-20	2 40 18				0-331	8-108	
			1-10	3 02 01				0-287	8-127					1-25	2 22 04				0-331	8-106	
			1-15	2 39 05				0-287	8-133					1-30	2 06 17				0-331	8-110	
			1-20	2 20 03				0-287	8-133					1-35	1 52 49				0-331	8-111	
			1-25	2 03 53				0-287	8-135					1-40	1 41 10				0-330	8-114	
			1-30	1 50 11				0-287	8-134					1-45	1 31 08				0-330	8-113	
			1-35	1 38 23				0-287	8-134				B. A 8	0-95	3 22 43	1085-4			0-308	8-121	
			1-40	1 28 10				0-287	8-137					1-00	2 54 02				0-208	8-121	
		H 12 A 7	1-10	3 28 27	867-7			0-332	8-100					1-05	2 30 22				0-208	8-124	
			1-15	3 02 36				0-332	8-106					1-10	2 11 01				0-208	8-111	
			1-20	2 40 30				0-331	8-112					1-15	1 54 45				0-208	8-120	
			1-25	2 22 05				0-331	8-114					1-20	1 41 10				0-208	8-115	
			1-30	2 06 25				0-331	8-115					1-25	1 29 31				0-208	8-118	
			1-35	1 52 58				0-331	8-115					1-30	1 19 34				0-208	8-121	
			1-40	1 41 18				0-331	8-117		23.		B. A 9	1-05	3 42 48	886-8			0-308	8-104	
			1-45	1 31 08				0-331	8-122					1-10	3 13 55				0-308	8-106	
		H 12 A 8	0-95	3 22 25	1085-3			0-207	8-131					1-15	2 49 55				0-308	8-105	
			1-00	2 53 22				0-207	8-140					1-20	2 29 34				0-308	8-109	
			1-05	2 30 02				0-207	8-138					1-25	2 12 27				0-308	8-095	
			1-10	2 10 29				0-207	8-141					1-30	1 57 47				0-308	8-099	
			1-15	1 54 20				0-207	8-139					1-35	1 45 14				0-308	8-100	
			1-20	1 40 47				0-207	8-136					1-40	1 34 32				0-308	8-096	
			1-25	1 29 11				0-207	8-137				B. A 10	1-05	3 16 08	957-7			0-271	8-089	
			1-30	1 19 22				0-207	8-135					1-10	2 50 38				0-271	8-094	
7.		H 12 A 9	1-05	3 43 17	886-7			0-308	8-096					1-15	2 29 25				0-271	8-096	
			1-10	3 14 20				0-308	8-099					1-20	2 11 42				0-271	8-095	
			1-15	2 50 04				0-308	8-103					1-25	1 56 28				0-271	8-099	
			1-20	2 29 48				0-308	8-104					1-30	1 43 49				0-271	8-092	
			1-35	2 12 36				0-308	8-092					1-35	1 32 42				0-271	8-095	
			1-30	1 57 52				0-308	8-097					1-40	1 23 10				0-271	8-095	
			1-35	1 45 17				0-308	8-100		13.		H 12 D 5	1-05	3 28 55	1214-9	O.	0-287	8-136		
			1-40	1 34 28				0-308	8-100					1-10	3 01 41				0-287	8-138	
		H 12 A 10	1-05	3 16 05	956-8			0-271	8-096					1-15	2 38 55				0-287	8-142	
			1-10	2 50 36				0-271	8-101					1-20	2 19 53				0-287	8-142	
			1-15	2 29 29				0-271	8-100					1-25	2 03 47				0-287	8-142	
			1-20	2 11 23				0-271	8-101					1-30	1 50 02				0-287	8-143	
			1-25	1 56 37				0-271	8-100					1-35	1 38 11				0-287	8-147	
			1-30	1 43 42				0-271	8-103					1-40	1 28 04				0-287	8-146	
			1-35	1 32 40				0-271	8-102		22.		H 12 A 7	1-10	3 28 03	867-1			0-332	8-111	
			1-40	1 23 08				0-271	8-102					1-15	3 02 04				0-331	8-117	
21.		H 11 D 5	1-25	2 04 18	1215-5		I.	0-287	8-130					1-20	2 40 05				0-331	8-126	
			1-30	1 50 31				0-287	8-131					1-25	2 21 40				0-331	8-129	
			1-35	1 38 42				0-287	8-130					1-30	2 05 59				0-331	8-132	
			1-40	1 28 32				0-287	8-129					1-35	1 52 40				0-331	8-129	
		H 11 A 7	1-30	2 06 46	868-7			0-331	8-108					1-40	1 40 59				0-331	8-133	
			1-35	1 53 19				0-331	8-106					1-45	1 30 55				0-331	8-134	
			1-40	1 41 37				0-331	8-106					0-95	3 22 30	1084-3			0-208	8-132	
			1-45	1 31 31				0-331	8-105					1-00	2 53 38				0-208	8-136	
		H 11 A 8	1-15	1 54 59	1085-4			0-208	8-110					1-05	2 29 53				0-208	8-144	
			1-20	1 41 22				0-208	8-110					1-10	2 10 39				0-288	8-138	
			1-25	1 29 43				0-208	8-110					1-15	1 54 25				0-208	8-138	
			1-30	1 19 46				0-208	8-111					1-20	1 40 41				0-208	8-142	
		H 11 A 9	1-25	2 13 34	886-8			0-308	8-100					1-25	1 29 11				0-208	8-141	
			1-30	1 58 40				0-308	8-104					1-30	1 19 17				0-208	8-141	
			1-35	1 46 10				0-309	8-098		20.		H 12 A 9	1-05	3 43 20	884-5			0-309	8-112	
			1-40	1 35 11				0-308	8-098					1-10	3 14 26				0-309	8-113	
22.		H 11 A 10	1-25	1 57 13	957-7			0-271	8-102					1-15	2 50 08				0-309	8-118	
			1-30	1 44 14				0-271	8-102					1-20	2 29 46				0-309	8-121	
			1-35	1 33 06				0-271	8-102					1-25	2 12 31				0-309	8-111	
			1-40	1 23 31				0-271	8-101					1-30	1 57 54				0-309	8-112	
		B. D 5	1-05	3 29 05	1215-5		J.	0-287	8-136					1-35	1 45 26				0-309	8-110	
			1-10	3 01 51				0-287	8-135					1-40	1 34 28				0-309	8-116	
			1-15	2 39 07				0-287	8-136					0-95	3 16 45	955-7			0-272	8-094	
			1-20	2 23 35				0-287	8-134					1-10	2 51 13				0-272	8-098	
			1-25	2 04 02				0-287	8-134					1-15	2 29 48				0-272	8-104	
			1-30	1 50 19				0-287	8-136					1-20	2 11 59				0-271	8-104	
			1-35	1 38 33				0-287	8-132					1-25	1 56 53				0-271	8-103	

TABLE G.

Date.	Station.	Magnets employed.		Exp. of deflec.		Observed time of 300 vibrations.	Declinometer.	Results.		General mean.	Date.	Station.	Magnets employed.		Exp. of deflec.		Observed time of 300 vibrations.	Declinometer.	Results.		General mean.
		Suspended.	Deflecting.	Disc.	Angles.			m.	X.				Suspended.	Deflecting.	Disc.	Angles.			m.	X.	
1846. Nov. 10.	Batavia ...	H 11	A 8	1-15 1-20 1-25 1-30	2 09 39 1 54 05 1 41 03 1 29 44	seconds. 1049-5	I.	0-229 0-229 0-229 0-229	7-915 7-920 7-918 7-925		1847. July 6.	Batavia ...	H 11	A 9	1-35 1-40 1-45	2 50 39 1 39 20 1 29 26	seconds. 890-9	I.	0-314 0-314 0-314	7-908 7-904 7-903	
		H 11	A 10	1-25 1-30 1-35 1-40	2 17 36 2 02 28 1 49 20 1 38 02	908-3		0-310 0-310 0-310 0-310	7-871 7-868 7-871 7-872				H 11	D 5	1-25 1-30 1-40	2 12 41 1 57 53 1 34 25	1209-6		0-298 0-298 0-298	7-901 7-900 7-902	
		H 11	A 9	1-35 1-40 1-45	2 05 57 1 52 13 1 40 52	882-7		0-319 0-319 0-319	7-891 7-901 7-892				H 11	D 6	1-25 1-30 1-35 1-40	2 07 21 1 52 13 1 41 06 1 30 42	1223-7		0-286 0-286 0-286 0-286	7-913 7-914 7-914 7-911	
													H 11	A 7	1-30 1-35 1-40 1-45	2 13 50 1 59 38 1 47 18 1 36 33	867-6		0-340 0-340 0-340 0-340	7-899 7-897 7-897 7-899	
		H 11	D 5	1-25 1-30 1-35 1-40	2 12 43 1 57 56 1 45 22 1 34 29	1209-6		0-298 0-298 0-298 0-298	7-899 7-901 7-899 7-899		9.		H 11	A 8	1-15 1-20 1-25	2 06 15 1 51 05 1 38 28	1066-0		0-222 0-222 0-222	7-888 7-893 7-889	
		H 11	D 6	1-25 1-30 1-35 1-40	2 07 07 1 53 12 1 41 08 1 30 46	1223-7		0-286 0-286 0-286 0-286	7-920 7-914 7-912 7-908				H 11	A 9	1-30 1-35 1-40	2 27 35 2 04 31 1 50 49	890-9		0-222 0-315 0-314	7-890 7-889 7-902	
		H 11	A 7	1-45 1-30 1-35 1-40	1 36 35 2 13 46 1 59 34 1 47 14	867-6		0-339 0-340 0-340 0-340	7-900 7-898 7-898 7-896		10.		H 11	D 5	1-25 1-30 1-35 1-40	2 13 13 1 58 26 1 45 41 1 34 50	1209-6		0-298 0-298 0-298 0-298	7-886 7-886 7-889 7-886	
		H 11	A 8	1-15 1-20 1-25 1-30	2 06 13 1 51 04 1 38 22 1 27 29	1066-0		0-222 0-222 0-222 0-222	7-894 7-894 7-892 7-894				H 11	D 6	1-25 1-30 1-35 1-40	2 07 50 1 53 50 1 41 37 1 31 03	1223-7		0-287 0-287 0-287 0-287	7-898 7-892 7-894 7-896	
		H 11	A 9	1-35 1-40 1-45	1 50 43 1 39 15 1 29 23	890-9		0-314 0-314 0-314	7-905 7-907 7-905				H 11	A 7	1-30 1-35 1-40 1-45	2 14 16 1 59 55 1 47 40 1 36 49	867-6		0-340 0-340 0-340 0-340	7-886 7-887 7-883 7-888	
4.		H 11	D 5	1-25 1-30 1-35 1-40	2 12 44 1 57 56 1 45 19 1 34 26	1209-6		0-298 0-298 0-298 0-298	7-899 7-901 7-901 7-901				H 11	A 8	1-15 1-20 1-25 1-30	2 06 29 1 51 53 1 38 40 1 27 34	1066-0		0-222 0-222 0-222 0-222	7-881 7-883 7-886 7-891	
		H 11	D 6	1-25 1-30 1-35 1-40	2 07 33 1 53 23 1 41 10 1 30 41	1223-7		0-286 0-286 0-286 0-286	7-907 7-908 7-911 7-912				H 11	A 9	1-25 1-30 1-35 1-40	2 20 00 2 04 25 1 51 04 1 39 39	890-9		0-315 0-315 0-314 0-315	7-889 7-891 7-893 7-891	
		H 11	A 7	1-30 1-35 1-40 1-45	2 13 56 2 59 37 1 47 15 1 36 38	867-6		0-340 0-340 0-340 0-340	7-896 7-897 7-898 7-895		Aug. 3.		H 11	D 5	1-25 1-30 1-35 1-40	2 12 54 1 58 11 1 45 26 1 34 32	1209-6		0-298 0-298 0-298 0-298	7-893 7-893 7-897 7-897	
		H 11	A 8	1-15 1-20 1-25 1-30	2 06 22 1 51 13 1 38 30 1 27 31	1066-0		0-223 0-222 0-222 0-222	7-885 7-889 7-887 7-893				H 11	D 6	1-25 1-30 1-35 1-40	2 07 27 1 53 15 1 41 11 1 30 43	1223-7		0-286 0-286 0-286 0-286	7-909 7-919 7-909 7-909	
		H 11	A 9	1-30 1-35 1-40	2 04 06 1 50 50 1 39 26	890-9		0-314 0-314 0-314	7-901 7-902 7-901				H 11	A 7	1-30 1-35 1-40 1-45	2 14 17 1 59 52 1 47 22 1 36 40	867-6		0-340 0-340 0-340 0-340	7-883 7-886 7-891 7-891	
6.		H 11	D 5	1-25 1-30 1-35 1-40	2 12 33 1 57 48 1 45 11 1 34 15	1209-6		0-298 0-298 0-298 0-298	7-904 7-905 7-906 7-909				H 11	A 8	1-15 1-20 1-25 1-30	2 05 37 1 53 38 1 37 56 1 27 10	1066-0		0-222 0-222 0-221 0-222	7-907 7-908 7-913 7-907	
		H 11	D 6	1-25 1-30 1-35 1-40	2 07 19 1 53 13 1 41 02 1 30 34	1223-7		0-286 0-286 0-286 0-286	7-914 7-913 7-916 7-917				H 11	A 9	1-25 1-30 1-35 1-40	2 19 29 2 03 59 1 50 41 1 39 18	890-9		0-314 0-314 0-314 0-314	7-901 7-903 7-906 7-904	
		H 11	A 7	1-30 1-35 1-40 1-45	2 13 37 1 59 26 1 47 06 1 36 26	867-6		0-339 0-339 0-339 0-339	7-904 7-903 7-903 7-903				H 11	A 10	1-25 1-30 1-35 1-40	2 02 08 1 48 34 1 36 58 1 26 55	963-7		0-275 0-275 0-275 0-275	7-877 7-879 7-880 7-883	
		H 11	A 8	1-15 1-20 1-25 1-30	2 06 05 1 50 54 1 38 21 1 27 28	1066-0		0-222 0-222 0-222 0-222	7-894 7-901 7-894 7-896		4.		H 11	D 5	1-25 1-30 1-35 1-40	2 12 48 1 58 04 1 45 24 1 34 42	1209-6		0-298 0-298 0-298 0-298	7-896 7-896 7-897 7-889	
		H 11	A 9	1-30	2 03 58	890-9		0-314	7-906												

TABLE G.

Date.	Station.	Magnets employed.		Exp. of deflec.		Observed time of 300 vibrations.	Dedimeter.	Results.		General mean.	Date.	Station.	Magnets employed.		Exp. of deflec.		Observed time of 300 vibrations.	Dedimeter.	Results.		General mean.	
		Suspended.	Deflecting.	Dist.	Angles.			m.	X.				Suspended.	Deflecting.	Dist.	Angles.			m.	X.		
																						r, r', r'', &c.
1847. Aug. 4.	Batavia.	H 11	D 6	1-25 2 07 19 1-30 1 53 12 1-35 1 41 00 1-40 1 30 37	3 07 19 2 07 12 1 41 00 1 30 37	seconds. 1223-7	I.	0-286 7-913 0-286 7-913 0-286 7-917 0-286 7-914			1847. Aug. 8.	Batavia ...	H 11	D 5	1-35 0 45 26 1-40 1 34 41	0 45 26 1 34 41	seconds. 1209-6	I.	0-298 7-897 0-298 7-898 0-287 7-905 0-287 7-907			
6.		H 11	A 7	1-30 2 13 41 1-35 1 59 24 1-40 1 47 13 1-45 1 36 33	2 13 41 1 59 24 1 47 13 1 36 33	867-6		0-340 7-901 0-339 7-902 0-340 7-897 0-340 7-896					H 11	A 7	1-30 2 13 56 1-35 1 59 39 1-40 1 47 22 1-45 1 30 40	2 13 56 1 59 39 1 47 22 1 30 40	867-6		0-287 7-906 0-286 7-907 0-340 7-895 0-340 7-898			
		H 11	A 8	1-15 2 05 13 1-20 1 50 32 1-25 1 37 48 1-30 1 26 59	2 05 13 1 50 32 1 37 48 1 26 59	1066-0		0-221 7-915 0-221 7-913 0-221 7-920 0-221 7-916					H 11	A 8	1-15 2 05 44 1-20 1 50 42 1-25 1 37 58 1-30 1 27 03	2 05 44 1 50 42 1 37 58 1 27 03	1066-0		0-222 7-904 0-222 7-907 0-221 7-913 0-221 7-914			
		H 11	A 9	1-25 2 19 28 1-30 2 03 52 1-35 1 50 39 1-40 1 39 10	2 19 28 2 03 52 1 50 39 1 39 10	890-9		0-314 7-902 0-314 7-907 0-314 7-909 0-275 7-883					H 11	A 9	1-30 2 03 56 1-35 1 50 43 1-40 1 39 24	2 03 56 1 50 43 1 39 24	890-9		0-275 7-887 0-275 7-892 0-275 7-892			
		H 11	A 10	1-25 2 01 56 1-30 1 48 30 1-35 1 36 38 1-40 1 26 57	2 01 56 1 48 30 1 36 38 1 26 57	463-7		0-275 7-883 0-275 7-881 0-274 7-893 0-275 7-881					H 11	A 10	1-25 2 02 06 1-30 1 48 51 1-35 1 36 49 1-40 1 26 52	2 02 06 1 48 51 1 36 49 1 26 52	963-7		0-275 7-884 0-274 7-892 0-274 7-900 0-274 7-900			
		H 11	D 5	1-25 2 13 00 1-30 1 58 09 1-35 1 45 31 1-40 1 34 37	2 13 00 1 58 09 1 45 31 1 34 37	1209-6		0-298 7-890 0-298 7-893 0-298 7-891 0-298 7-893			17. Lampongs, Sumatra.	H 11	D 5	1-25 2 12 09 1-30 1 57 28 1-35 1 44 52 1-40 1 34 08	2 12 09 1 57 28 1 44 52 1 34 08	1209-1		0-297 7-916 0-297 7-916 0-297 7-917 0-297 7-913				
		H 11	D 6	1-25 2 07 34 1-30 1 53 22 1-35 1 41 19 1-40 1 30 45	2 07 34 1 53 22 1 41 19 1 30 45	1223-7		0-287 7-905 0-286 7-907 0-287 7-904 0-286 7-908				H 11	D 6	1-25 2 07 30 1-30 1 53 10 1-35 1 41 07 1-40 1 30 41	2 07 30 1 53 10 1 41 07 1 30 41	1221-7		0-287 7-922 0-287 7-924 0-287 7-921 0-287 7-920				
		H 11	A 7	1-30 2 14 05 1-35 1 59 40 1-40 1 47 19 1-45 1 36 38	2 14 05 1 59 40 1 47 19 1 36 38	867-6		0-340 7-889 0-340 7-894 0-340 7-894 0-340 7-894				H 11	A 7	1-30 2 13 22 1-35 1 59 11 1-40 1 46 50 1-45 1 36 16	2 13 22 1 59 11 1 46 50 1 36 16	867-6		0-339 7-909 0-339 7-908 0-339 7-910 0-339 7-907				
		H 11	A 8	1-15 2 05 44 1-20 1 50 44 1-25 1 38 05 1-30 1 27 11	2 05 44 1 50 44 1 38 05 1 27 11	1066-0		0-222 7-904 0-222 7-905 0-222 7-908 0-222 7-907				H 11	A 8	1-15 2 04 36 1-20 1 50 05 1-25 1 37 28 1-30 1 26 38	2 04 36 1 50 05 1 37 28 1 26 38	1067-8		0-220 7-921 0-220 7-909 0-220 7-914 0-220 7-913				
		H 11	A 9	1-25 2 19 51 1-30 2 04 19 1-35 1 51 06 1-40 1 39 37	2 19 51 2 04 19 1 51 06 1 39 37	390-9		0-315 7-891 0-314 7-893 0-315 7-891 0-315 7-892				H 11	A 9	1-25 2 18 58 1-30 2 03 35 1-35 1 50 23 1-40 1 38 52	2 18 58 2 03 35 1 50 23 1 38 52	888-5		0-314 7-936 0-314 7-931 0-314 7-931 0-314 7-936				
		H 11	A 10	1-25 2 02 26 1-30 1 48 53 1-35 1 37 13 1-40 1 27 10	2 02 26 1 48 53 1 37 13 1 27 10	963-7		0-275 7-868 0-275 7-868 0-275 7-871 0-275 7-872				H 11	A 10	1-25 2 01 51 1-30 1 48 20 1-35 1 36 49 1-40 1 26 52	2 01 51 1 48 20 1 36 49 1 26 52	962-7		0-274 7-903 0-274 7-905 0-274 7-902 0-274 7-900				
	7.		H 11	D 5	1-25 2 13 04 1-35 1 58 08 1-40 1 45 32 1-45 1 34 43	2 13 04 1 58 08 1 45 32 1 34 43	1209-6		0-298 7-889 0-298 7-894 0-298 7-893 0-298 7-889			Sept. 22.	Pulo Bay, near Ben- coolen.	H 11	D 5	1-25 2 12 02 1-30 1 57 19 1-35 1 44 45 1-40 1 33 56	2 12 02 1 57 19 1 44 45 1 33 56	1210		0-297 7-916 0-297 7-918 0-297 7-918 0-297 7-918		
			H 11	D 6	1-25 2 07 47 1-30 1 53 29 1-35 1 41 25 1-40 1 30 57	2 07 47 1 53 29 1 41 25 1 30 57	1223-7		0-287 7-900 0-287 7-904 0-287 7-901 0-287 7-900				H 11	D 6	1-25 2 07 11 1-30 1 52 59 1-35 1 40 57 1-40 1 30 31	2 07 11 1 52 59 1 40 57 1 30 31	1222-9		0-286 7-923 0-286 7-926 0-286 7-924 0-286 7-924			
		H 11	A 7	1-30 2 14 08 1-35 1 59 47 1-40 1 47 38 1-45 1 36 54	2 14 08 1 59 47 1 47 38 1 36 54	867-6		0-340 7-890 0-340 7-892 0-340 7-885 0-340 7-885				H 11	A 7	1-30 2 13 21 1-35 1 58 51 1-40 1 46 43 1-45 1 36 03	2 13 21 1 58 51 1 46 43 1 36 03	868-7		0-339 7-903 0-338 7-918 0-338 7-908 0-338 7-909				
		H 11	A 8	1-15 2 05 44 1-20 1 50 40 1-25 1 38 06 1-30 1 27 07	2 05 44 1 50 40 1 38 06 1 27 07	1066-0		0-222 7-905 0-222 7-909 0-222 7-909 0-222 7-912				H 11	A 8	1-15 2 04 34 1-20 1 49 39 1-25 1 37 19 1-30 1 26 20	2 04 34 1 49 39 1 37 19 1 26 20	1069-3		0-220 7-914 0-220 7-918 0-220 7-912 0-220 7-919				
		H 11	A 9	1-25 2 19 53 1-30 2 04 27 1-35 1 51 08 1-40 1 39 37	2 19 53 2 04 27 1 51 08 1 39 37	890-9		0-315 7-892 0-315 7-891 0-315 7-890 0-314 7-893				H 11	A 9	1-25 2 18 43 1-30 2 03 13 1-35 1 50 07 1-40 1 38 41	2 18 43 2 03 13 1 50 07 1 38 41	892-3		0-313 7-909 0-312 7-914 0-312 7-912 0-312 7-912				
		H 11	A 10	1-25 2 02 08 1-30 1 48 28 1-35 1 37 02 1-40 1 26 58	2 02 08 1 48 28 1 37 02 1 26 58	963-7		0-275 7-878 0-275 7-884 0-275 7-878 0-275 7-881				H 11	A 10	1-25 2 01 30 1-30 1 48 13 1-35 1 36 34 1-40 1 26 40	2 01 30 1 48 13 1 36 34 1 26 40	964-2		0-274 7-905 0-274 7-899 0-274 7-902 0-274 7-899				
		H 11	D 5	1-25 2 12 46 1-30 1 57 54	2 12 46 1 57 54	1209-6		0-298 7-898 0-298 7-903			Oct. 16.	Padang ...	H 11	D 5	1-25 2 10 59	2 10 59	1207-5		0-296 7-960		7-913	

TABLE G.

Date.	Station.	Magnets employed.		Exp. of deflec.		Observed time of 300 vibrations.	Declinometer.	Results.		General mean.	Date.	Station.	Magnets employed.		Exp. of deflec.		Observed time of 300 vibrations.	Declinometer.	Results.		General mean.
		Suspended.	Deflecting.	Dist. r, r', r'', &c.	Angles. a, a', a'', &c.			m.	X.				Suspended.	Deflecting.	Dist. r, r', r'', &c.	Angles. a, a', a'', &c.			m.	X.	
1847. Oct. 16.	Padang, Su- matra.	H 11	D 5	1-30	0 56 27	seconds. 1207-5	I.	0-296	7-960		1848. May 29.	Samboo- anga, Island of	H 11	A 7	1-40	0 40 09	seconds. 863-7	I.	0-333	8-129	
				1-35	1 44 02			0-297	7-958						1-45	1 31 59			0-333	8-129	
				1-40	1 33 16			0-297	7-959				H 11	A 8	1-15	1 55 54	1078-0		0-211	8-149	
		H 11	D 6	1-25	2 06 14	1223-5		0-285	7-946						1-20	1 42 04			0-211	8-150	
				1-30	1 52 14			0-285	7-946						1-25	1 30 22			0-210	8-155	
				1-35	1 40 14			0-285	7-945						1-30	1 20 16			0-210	8-157	
				1-40	1 29 52			0-285	7-945				H 11	A 9	1-25	2 13 40	881-6		0-310	8-146	
		H 11	A 7	1-30	2 12 39	864-8		0-339	7-955						1-30	1 58 56			0-310	8-144	
				1-35	1 58 39			0-339	7-950						1-35	1 46 13			0-310	8-144	
				1-40	1 46 11			0-339	7-959						1-40	1 35 17			0-210	8-143	
				1-45	1 35 46			0-339	7-952				H 11	A 10	1-25	1 57 29	952		0-273	8-147	
		H 11	A 8	1-15	2 03 24	1069-7		0-219	7-946						1-30	1 44 29			0-273	8-147	
				1-20	1 48 35			0-219	7-951						1-35	1 33 28			0-273	8-141	
				1-25	1 36 10			0-219	7-954						1-40	1 23 43			0-273	8-145	
				1-30	1 25 35			0-219	7-958		30.		B.	D 5	1-25	2 04 34	1207-7	J.	0-289	8-167	
		H 11	A 9	1-25	2 16 59	888-4		0-312	7-990						1-30	1 50 27			0-289	8-177	
				1-30	2 01 49			0-312	7-990						1-35	1 38 58			0-290	8-166	
				1-35	1 48 56			0-312	7-985						1-40	1 28 41			0-289	8-168	
				1-40	1 37 38			0-312	7-987						1-30	2 06 45	863-7		0-332	8-157	
		H 11	A 10	1-25	2 00 34	959-2		0-274	7-975						1-35	1 52 57			0-331	8-166	
				1-30	1 47 05			0-274	7-980						1-40	1 41 40			0-332	8-153	
				1-35	1 35 42			0-274	7-978						1-45	1 31 34			0-322	8-153	
				1-40	1 25 52			0-274	7-975	7-962					0-95	3 23 38	1078-0		0-210	8-176	
1848. Mar. 28.	Mount Ophir, near Ma- lacca.	H 11	D 5	1-25	2 04 29	1194-3		0-292	8-273						1-00	2 54 52			0-210	8-175	
				1-30	1 50 37			0-292	8-275						1-05	2 31 04			0-210	8-170	
				1-35	1 38 48			0-292	8-274						1-10	2 11 33			0-210	8-179	
				1-40	1 28 31			0-292	8-278						1-15	1 55 13			0-210	8-177	
		H 11	A 7	1-25	2 06 54	856-7		0-334	8-217						1-20	1 41 31			0-210	8-176	
				1-30	1 53 23			0-334	8-217						1-25	1 29 53			0-210	8-175	
				1-35	1 41 35			0-334	8-221						1-30	1 19 55			0-210	8-176	
				1-40	1 31 31			0-334	8-218						1-10	3 28 19	863-7		0-331	8-169	
		H 11	A 8	1-15	1 57 23	1056-3		0-216	8-274						1-15	3 02 33			0-331	8-165	
				1-20	1 43 20			0-216	8-277						1-20	2 40 44			0-331	8-165	
				1-25	1 31 26			0-216	8-285						1-25	2 22 18			0-332	8-165	
				1-30	1 21 23			0-216	8-286						1-05	3 29 52	1207-7		0-289	8-167	
		H 11	A 9	1-25	2 13 05	874-2		0-312	8-230						1-10	3 02 30			0-289	8-170	
				1-30	1 58 08			0-311	8-237						1-15	2 39 47			0-289	8-170	
				1-35	1 45 34			0-311	8-235						1-20	2 20 37			0-289	8-174	
				1-40	1 34 40			0-311	8-235						1-05	3 41 45	881-60		0-309	8-174	
		H 11	A 10	1-25	1 56 44	940-5		0-275	8-270						1-10	3 13 05			0-309	8-175	
				1-30	1 43 41			0-275	8-275						1-15	2 49 04			0-309	8-177	
				1-35	1 33 01			0-275	8-257						1-20	2 28 48			0-309	8-181	
				1-40	1 23 16			0-275	8-264	8-255					1-25	2 11 43			0-309	8-181	
May 8.	Pulo La- boan.	H 11	D 5	1-25	2 04 28	1197-5		0-292	8-247						1-30	1 57 06			0-309	8-185	
				1-30	1 50 40			0-292	8-247						1-35	1 44 44			0-309	8-181	
				1-35	1 38 49			0-292	8-247						1-40	1 34 07			0-309	8-174	
				1-40	1 28 38			0-292	8-246						1-05	3 14 34	952		0-272	8-174	
		H 11	A 7	1-30	2 06 05	857-7		0-334	8-236						1-10	2 49 24			0-272	8-176	
				1-35	1 52 38			0-334	8-232						1-15	2 28 25			0-272	8-176	
				1-40	1 41 03			0-334	8-235						1-20	2 10 43			0-272	8-178	
				1-45	1 30 59			0-334	8-235						1-25	1 55 52			0-272	8-173	
		H 11	A 8	1-15	1 54 41	1071-3		0-211	8-246						1-30	1 42 45			0-271	8-187	
				1-20	1 41 00			0-211	8-248						1-35	1 32 02			0-272	8-177	
				1-25	1 29 28			0-211	8-251						1-40	1 22 37			0-272	8-175	8-162
				1-30	1 19 26			0-211	8-254		June 21.	Keemah, Island of Celebes.	H 11	D 5	1-25	2 03 29	1199-5		0-290	8-263	
		H 11	A 9	1-25	2 11 52	878-3		0-310	8-232						1-30	1 49 43			0-290	8-266	
				1-30	1 57 14			0-310	8-234						1-35	1 38 01			0-290	8-264	
				1-35	1 44 42			0-310	8-234						1-40	1 27 50			0-290	8-266	
				1-40	1 33 56			0-310	8-232						1-05	3 28 13			0-290	8-254	
		H 11	A 10	1-25	1 55 49	947-7		0-272	8-242						1-10	3 01 08			0-290	8-255	
				1-30	1 42 56			0-272	8-244						1-15	2 38 25			0-290	8-260	
				1-35	1 32 10			0-272	8-234						1-20	2 19 42			0-290	8-252	
				1-40	1 22 46			0-273	8-228	8-240					1-25	2 03 40			0-290	8-250	
29.	Samboo- anga, Island of	H 11	D 5	1-25	2 05 56	1207-7		0-291	8-130						1-30	1 49 50			0-290	8-255	
				1-30	1 51 52			0-291	8-133						1-35	1 38 10			0-290	8-252	
				1-35	1 39 52			0-291	8-135						1-40	1 28 00			0-290	8-253	
				1-40	1 29 34			0-291	8-134						1-30	2 05 35	857-7	I.	0-333	8-249	
		H 11	A 7	1-30	2 07 26	863-7		0-333	8-131						1-35	1 52 08			0-333	8-252	
				1-35	1 53 55			0-333	8-129						1-40	1 40 42			0-333	8-246	
															1-45	1 30 35			0-333	8-250	

TABLE G.

Date.	Station.	Magnets employed.		Exp. of deflec.		Observed time of 300 vibrations.	Declinometer.	Results.		General mean.	Date.	Station.	Magnets employed.		Exp. of deflec.		Observed time of 300 vibrations.	Declinometer.	Results.		General mean.
		Suspended.	Deflecting.	r, r', &c.	Angles.			m.	X.				Suspended.	Deflecting.	r, r', &c.	Angles.			m.	X.	
1848. June 21.	Keemah, Island of Celebes.	H 11	A 7	1-10 3 26 07 1-15 3 00 27 1-20 2 38 27 1-25 2 20 42 1-30 2 05 07 1-35 1 51 38 1-40 1 40 28 1-45 1 30 22	3 26 07 3 00 27 2 38 27 2 20 42 2 05 07 1 51 38 1 40 28 1 30 22	seconds. 857-7	J.	0-333 8-257 0-332 8-258 0-332 8-270 0-333 8-258 0-332 8-258 0-332 8-259 0-332 8-245 0-332 8-250	8-257 8-258 8-270 8-258 8-258 8-259 8-245 8-250		1848. Aug. 29.	Cocos or Keeling Islands.	B.	D 5 							

TABLE G.

[illegible]

CAPTAIN ELLIOT'S MAGNETIC SURVEY OF THE INDIAN ARCHIPELAGO.

TABLE G.

Date.	Station.	Magnets employed.		Exp. of deflec.		Observed time of 300 vibrations.	Declinometer.	Results.		General mean.	Date.	Station.	Magnets employed.		Exp. of deflec.		Observed time of 300 vibrations.	Declinometer.	Results.		General mean.	
		Suspended.	Deflecting.	Dist.	Angles.			m.	X.				Suspended.	Deflecting.	Dist.	Angles.			m.	X.		
																						r, r', r'', &c.
1849. Mar. 27.	Hastings' Island.	H 11 A 9	1 40	1 33 59	seconds.	835	I.	0 3071	8 164	8-1772	1849. July 4.	Madras.	H 11 A 7	1 40	1 41 45	seconds.	874 2	I.	0 328	8 057		
		H 11 A 10	1 25	1 56 10	954 2			0 270	8 168					H 11 D 5	1 25	1 31 37	1229 8		0 328	8 057		
			1 30	1 43 17				0 270	8 169						1 25	2 02 34			0 281	8 090		
			1 35	1 32 17				0 270	8 168						1 30	1 48 53			0 281	8 092		
			1 40	1 22 48				0 271	8 165						1 35	1 37 09			0 281	8 095		
April 16.	Moulmein.	H 11 D 5	1 25	2 03 19	1220 6			0 285	8 124						1 40	1 27 10			0 281	8 093		
			1 30	1 49 24				0 284	8 133					H 11 A 7	1 30	2 05 20	878 1		0 325	8 076		
			1 35	1 37 43				0 285	8 132						1 35	1 52 00			0 325	8 073		
			1 40	1 27 42				0 285	8 128						1 40	1 40 26			0 325	8 073		
		H 11 A 7	1 30	2 05 41	871 3			0 328	8 100						1 45	1 30 24			0 325	8 074		
			1 35	1 52 09				0 328	8 105			31.	H 11 A 8	1 15	1 53 19	1096 0		0 205	8 093			
			1 40	1 40 41				0 328	8 101					1 20	1 39 56			0 205	8 089			
			1 45	1 30 43				0 328	8 097					1 25	1 28 23			0 204	8 094			
		H 11 A 8	1 15	1 54 19	1087 6			0 208	8 130					1 30	1 18 32			0 204	8 098			
			1 20	1 40 43				0 208	8 130				H 11 A 9	1 25	2 12 02	891 9		0 305	8 100			
			1 25	1 29 04				0 208	8 135					1 30	1 57 22			0 304	8 100			
			1 30	1 19 13				0 208	8 135					1 35	1 44 50			0 304	8 100			
		H 11 A 9	1 25	2 11 53	888 2			0 306	8 135					1 40	1 34 02			0 304	8 100			
			1 30	1 57 14				0 306	8 137				H 11 A 10	1 25	1 56 19	962 43		0 268	8 092			
			1 35	1 44 43				0 306	8 137					1 30	1 43 26			0 268	8 092			
			1 40	1 33 43				0 306	8 145					1 35	1 32 25			0 268	8 092			
		H 11 A 10	1 25	1 56 29	959 5			0 269	8 107					1 40	1 22 52			0 268	8 092			
			1 30	1 43 35				0 269	8 108			Aug. 1.	B. D 5	1 05	3 26 30	1229 8	J.	0 282	8 083			
			1 35	1 32 26				0 270	8 111					1 10	2 59 37			0 282	8 085			
			1 40	1 23 02				0 270	8 104					1 15	2 37 10			0 282	8 087			
17.		B. D 5	1 05	3 27 56	1220 6	J.		0 285	8 122					1 20	2 18 20			0 282	8 088			
			1 10	3 00 48				0 285	8 125					1 25	2 02 31			0 282	8 084			
			1 15	2 38 24				0 285	8 121					1 30	1 48 53			0 282	8 087			
			1 20	2 19 22				0 285	8 124					1 35	1 37 16			0 282	8 085			
			1 25	2 03 24				0 285	8 121					1 40	1 27 10			0 282	8 088			
			1 30	1 49 42				0 285	8 122			2.	A 7	1 10	3 26 33	878 1		0 325	8 071			
			1 35	1 37 59				0 285	8 122					1 15	3 00 49			0 325	8 073			
			1 40	1 27 52				0 285	8 122					1 20	2 39 20			0 325	8 071			
		A 7	1 10	3 26 28	871 3			0 327	8 111					1 25	2 21 05			0 325	8 070			
			1 15	3 00 54				0 327	8 109					1 30	2 05 30			0 325	8 069			
			1 20	2 39 30				0 328	8 105					1 35	1 52 10			0 325	8 068			
			1 25	2 21 16				0 328	8 103					1 40	1 40 33			0 325	8 068			
			1 30	2 05 34				0 328	8 105					1 45	1 30 32			0 325	8 068			
			1 35	1 52 14				0 328	8 104			4.	A 8	0 95	3 20 08	1096 0		0 204	8 096			
			1 40	1 40 19				0 328	8 104					1 00	2 51 26			0 204	8 105			
18.		A 8	0 95	3 22 19	1087 6			0 208	8 134					1 05	2 28 23			0 204	8 101			
			1 00	2 53 24				0 207	8 141					1 10	2 09 13			0 204	8 094			
			1 05	2 30 17				0 208	8 132					1 15	1 53 14			0 204	8 097			
			1 10	2 10 46				0 208	8 133					1 20	1 39 43			0 204	8 098			
			1 15	1 54 38				0 208	8 130					1 25	1 28 19			0 204	8 096			
			1 20	1 40 55				0 208	8 131					1 30	1 18 35			0 204	8 094			
			1 25	1 29 19				0 208	8 132					1 05	3 41 39	891 9		0 305	8 084			
			1 30	1 19 31				0 208	8 128					1 10	3 12 59			0 305	8 084			
		A 9	1 05	3 41 42	888 2			0 307	8 110					1 15	2 49 01			0 305	8 085			
			1 10	3 12 51				0 307	8 110					1 20	2 28 52			0 305	8 087			
			1 15	2 48 45				0 307	8 120					1 25	2 12 07			0 305	8 075			
			1 20	2 28 46				0 307	8 117					1 30	1 57 20			0 305	8 082			
			1 25	2 11 44				0 307	8 121					1 35	1 44 52			0 305	8 083			
			1 30	1 57 13				0 307	8 120					1 40	1 34 06			0 305	8 082			
			1 35	1 45 00				0 307	8 111					1 05	3 15 29	962 43		0 268	8 081			
			1 40	1 33 56				0 307	8 123					1 10	2 50 08			0 268	8 082			
23.		A 10	1 05	3 15 28	959 5			0 270	8 106					1 15	2 29 05			0 268	8 081			
			1 10	2 50 07				0 270	8 108					1 20	2 10 55			0 268	8 093			
			1 15	2 29 03				0 270	8 107					1 25	1 56 20			0 269	8 077			
			1 20	2 11 17				0 270	8 107					1 30	1 43 30			0 269	8 076			
			1 25	1 56 14				0 270	8 106					1 35	1 32 26			0 269	8 077			
			1 30	1 43 26				0 270	8 108					1 40	1 23 00			0 269	8 073			
			1 35	1 32 23				0 270	8 105					D 5	1 05	3 26 04	1231 5	0 281	8 085			
			1 40	1 22 52				0 270	8 105	8-1186		Sept. 27.			1 10	2 59 12		0 281	8 087			
			1 25	2 03 40	1228 1	I.		0 283	8 070					1 15	2 36 46		0 281	8 089				
			1 30	1 49 56				0 283	8 066					1 25	2 02 13		0 281	8 086				
			1 35	1 38 13				0 283	8 064					1 30	1 48 40		0 281	8 086				
			1 40	1 28 06				0 283	8 062					1 35	1 37 02		0 281	8 087				
July 4.	Madras.	H 11 D 5	1 30	2 06 55	874 2			0 328	8 060					1 40	1 27 01		0 281	8 087				
			1 35	1 53 25				0 328	8 059			28.		A 7	1 10	3 26 03	878 1	0 325	8 075			

TABLE G.

Date.	Station.	Magnets employed.		Exp. of deflec.		Observed time of 300 vibrations.	Declinometer.	Results.		General mean.
		Suspended.	Deflecting.	Dist.	Angles.			m.	X.	
1849. Sept. 28.	Madras.	B.	A 7	1-15 3 00 31	seconds.	878-1	J.	0-325 8-074		
				1-20 2 38 51				0-325 8-077		
				1-25 2 20 42				0-325 8-075		
				1-30 2 05 07				0-325 8-076		
				1-35 1 51 50				0-325 8-077		
				1-40 1 40 20				0-325 8-072		
				1-45 1 30 22				0-325 8-071		
			A 8	0-95 3 19 26	1099-1			0-204 8-084		
				1-00 2 51 12				0-204 8-082		
				1-05 2 28 03				0-204 8-084		
				1-10 2 08 55				0-204 8-083		
				1-15 1 52 55				0-204 8-082		
				1-20 1 39 34				0-204 8-078		
				1-25 1 28 08				0-204 8-077		
				1-30 1 18 23				0-204 8-077		
			A 9	1-05 3 41 43	895-2			0-304 8-053		
				1-10 3 13 07				0-304 8-053		
				1-15 2 49 07				0-304 8-054		
				1-20 2 29 04				0-304 8-052		
				1-25 2 12 02				0-304 8-050		
				1-30 1 57 18				0-304 8-054		
				1-35 1 44 52				0-304 8-054		
				1-40 1 34 03				0-304 8-053		
			A 10	1-05 3 15 32	963-6			0-268 8-069		
				1-10 2 50 10				0-268 8-071		
				1-15 2 29 04				0-268 8-070		
				1-20 2 11 20				0-268 8-069		
				1-25 1 56 18				0-268 8-068		
				1-30 1 43 29				0-268 8-066		
				1-35 1 32 36				0-269 8-060		
				1-40 1 22 52				0-268 8-069		
Oct. 2.		H 11	D 5	1-25 2 02 10	1231-5	I.		0-281 8-089		
				1-30 1 48 34				0-281 8-090		
				1-35 1 37 05				0-281 8-085		
				1-40 1 26 52				0-281 8-093		
			H 11	A 7	1-30 2 05 01	878-1		0-325 8-077		
				1-35 1 51 39				0-325 8-079		
				1-40 1 40 05				0-325 8-079		
				1-45 1 30 16				0-325 8-074		
			H 11	A 8	1-15 1 53 32	1099-1		0-204 8-055		
				1-20 1 39 46				0-204 8-066		
				1-25 1 28 11				0-204 8-073		
				1-30 1 18 24				0-204 8-075		
			H 11	A 9	1-25 2 11 43	895-2		0-303 8-075		
				1-30 1 57 08				0-303 8-075		
				1-35 1 44 35				0-303 8-076		
				1-40 1 33 52				0-304 8-074		
			H 11	A 10	1-25 1 56 41	963-6		0-268 8-067		
				1-30 1 43 44				0-268 8-068		
				1-35 1 32 35				0-268 8-071		
				1-40 1 23 00				0-268 8-072	8-0784	
1845. Aug. 14.	Singapore.	C 15	C 7	1-6 3 40 34	1343-41	P.		1-052 7-959		
				2-1 1 37 46				1-052 7-957		
16.				1-6 3 40 46	1343-0			1-052 7-955		
				2-1 1 37 49				1-051 7-961		
18.				1-6 3 40 44	1344-58			1-054 7-948		
				2-1 1 37 40				1-051 7-953		
19.				1-6 3 40 46	1344-91			1-051 7-947		
				2-1 1 37 37				1-050 7-954		
20.				1-6 3 41 31	1344-03			1-053 7-939		
				2-1 1 38 38				1-055 7-922	7-9495	
1846. Mar. 28.				1-6 3 36 24	1357-70			1-030 7-950		
				1-7 3 00 42				1-030 7-947		
				1-8 2 32 11				1-030 7-949		
				1-9 2 09 38				1-031 7-943		
				2-0 1 51 06				1-030 7-945		
				2-1 1 35 34				1-028 7-963		
				2-2 1 23 34				1-031 7-942		
				2-3 1 12 39				1-027 7-968	7-951	
1848. Nov. 28.	Singapore.	C 15	C 7	1-6 3 25 57	seconds.	1387-7	P.	0-978 7-969		
				1-7 2 51 34				0-977 7-975		
				1-8 2 24 25				0-977 7-980		
				1-9 2 03 31				0-978 7-969		
				1-6 3 24 29				0-977 7-996		
				1-7 2 50 24				0-977 8-000		
				1-8 2 33 14				0-977 8-001		
				1-9 2 02 15				0-977 7-997		
Dec. 26.				1-6 3 24 38	1387-2			0-978 7-997		
				1-7 2 50 40				0-978 7-998		
				1-8 2 23 34				0-977 8-006		
				1-9 2 01 59				0-977 8-010	7-991	
1846. Jan. 21.	Pulo Pee-sang.			1-7 3 00 46	1352-4			1-034 7-962		
				1-8 2 32 00				1-033 7-971		
				2-2 1 23 42				1-035 7-952		
				2-3 1 12 56				1-033 7-970	7-964	
30.	Carimon.			1-7 2 59 53	1357-2			1-028 7-961		
				1-8 2 31 16				1-028 7-964		
				2-2 1 23 02				1-028 7-964		
				2-3 1 12 58				1-030 7-948	7-959	
Feb. 8.	Pulo Booāya			1-7 3 01 37	1361-3			1-031 7-911		
				1-8 2 33 06				1-031 7-910		
				2-2 1 24 25				1-034 7-887		
				2-3 1 13 18				1-030 7-918	7-907	
21.	Lingin.			1-7 3 00 57	1358-8			1-029 7-938		
				1-8 2 32 18				1-028 7-943		
				2-2 1 23 46				1-030 7-930		
				2-3 1 13 09				1-029 7-938	7-937	
May 21.	Sarāwak, Borneo.			1-7 2 57 10	1352-8			1-027 8-015		
				1-8 2 28 44				1-023 8-014		
				2-2 1 21 46				1-023 8-011		
				2-3 1 11 07				1-020 8-037		
July 3.				1-7 2 57 26	1356-4			1-026 8-000		
				1-8 2 29 10				1-024 8-013		
				2-2 1 22 00				1-025 8-010		
				2-3 1 12 01				1-026 7-997		
7.				1-7 2 56 40	1355-7			1-026 8-033		
				1-8 2 28 35				1-024 8-044		
				2-2 1 21 45				1-025 8-038		
				2-3 1 11 33				1-025 8-039	8-024	
21.	Sambar, Borneo.			1-7 2 56 00	1356-6			1-022 8-017		
				1-8 2 27 48				1-019 8-034		
				2-3 1 10 54				1-020 8-044	8-032	
25.	Permangkat at the mouth of the Sambar river.			1-7 2 55 18	1355-8			1-020 8-048		
				1-8 2 27 45				1-020 8-050		
				2-2 1 21 08				1-019 8-052		
				2-3 1 11 14				1-021 8-041	8-048	
Aug. 4.	Pontianak, Borneo.			1-7 2 56 33	1360-7			1-021 7-992		
				1-8 2 29 02				1-021 7-989		
				2-2 1 21 29				1-019 8-008		
				2-3 1 11 52				1-023 7-978	7-992	
13.	Succadāna, Borneo.			1-7 2 57 50				1-022 7-948		
				1-8 2 29 24				1-020 7-962		
				2-2 1 22 14				1-021 7-956		
				2-3 1 12 12				1-022 7-945	7-953	
Sept. 17.	Batavia, Island of Java.			1-7 3 00 46	1383-9			1-012 7-791		
				1-8 2 32 32				1-013 7-786		
				2-2 1 23 38				1-013 7-785		
				2-3 1 13 12				1-014 7-784		
				1-7 3 01 40				1-014 7-777		
				1-8 2 32 44				1-013 7-786		
				2-2 1 24 02				1-016 7-763		
				2-3 1 13 25				1-014 7-779		
				1-7 3 00 45	1383-6			1-011 7-785		
				1-8 2 31 58				1-009 7-795		
				2-2 1 23 50				1-013 7-769		
				2-3 1 12 57				1-010 7-792		
1847. July 19.				1-7 2 58 16	1395-3			0-995 7-787		

TABLE G.

Date.	Station.	Magnets employed.		Exp. of deflec.		Observed time of 300 vibrations.	Declinometer.	Results.		General mean.	Date.	Station.	Magnets employed.		Exp. of deflec.		Observed time of 300 vibrations.	Declinometer.	Results.		General mean.
		Suspended.	Deflecting.	Dist.	Angles.			m.	X.				Suspended.	Deflecting.	Dist.	Angles.			m.	X.	
1847. July 19.	Batavia, Island of Java.	C 15	C 7	1-8 2-2 2-3 1-7 1-8 2-2 2-3 1-7																	

TABLE G.

Date.	Station.	Magnets employed.		Exp. of deflec.		Observed time of 300 vibrations.	Declinometer.	Results.		General mean.	Date.	Station.	Magnets employed.		Exp. of deflec.		Observed time of 300 vibrations.	Declinometer.	Results.		General mean.	
		Suspended.	Deflecting.	Dist.	Angles.			m.	X.				Suspended.	Deflecting.	Dist.	Angles.			m.	X.		
																						r, r', r'', &c.
1847. Feb. 13.	Solo.	C 15	C 7	1-7 1-8 2-2 2-3	2 57 50 2 29 55 1 22 03 1 11 46	seconds. 1389-6	P.	0-998 0-999 0-998 0-998	7-824 7-823 7-829 7-831	7-827	1847. Aug. 19.	Lampongs, Sumātra.	C 15	C 7	1-7 1-8 1-9 1-6	2 57 09 2 29 06 2 07 10 3 32 29	seconds. 1395-5	P.	0-992 0-991 0-993 0-991	7-805 7-811 7-801 7-800	7-809	
18.	Nyāwee.			1-7 1-8 2-2 2-3	2 56 01 2 27 59 1 21 31 1 11 19	1383-42		0-998 0-997 1-000 0-998	7-909 7-917 7-898 7-909		Sept. 1.	Poolo Bay, near Ben- coolen.			1-7 1-8 1-9 1-6	2 57 24 2 29 18 2 07 42 3 29 24	1396-6		0-991 0-991 0-993 0-987	7-796 7-802 7-780 7-867		7-794
22.	Soorabāya.			1-7 1-8 2-2 2-3	2 55 10 2 27 18 1 20 55 1 10 55	1381-91		0-995 0-994 0-995 0-996	7-946 7-942 7-933 7-948		Oct. 22.	Padang.			1-7 1-8 1-9	2 54 50 2 27 17 2 05 30	1392-9		0-987 0-987 0-988	7-863 7-865 7-857			7-863
Mar. 23.	Sumenap.			1-7 1-8 2-2 2-3	2 55 00 2 27 14 1 20 52 1 11 02	1382-3		0-996 0-996 0-997 0-998	7-934 7-940 7-932 7-918	7-942	1848. May 6.	Pulo Laboo- an.			1-6 1-7 1-8 1-9	3 23 50 2 49 27 2 22 58 2 01 55	1376-6		0-985 0-983 0-984 0-985	8-087 8-101 8-097 8-086	8-093	
26.				1-7 1-8 2-2 2-3	2 55 32 2 27 41 1 26 07 1 10 58	1383-6		0-997 0-996 0-998 0-997	7-913 7-920 7-902 7-913		27.	Samboo- anga.			1-6 1-7 1-8 1-9	3 24 22 2 50 26 2 23 33 2 02 18	1386-0		0-980 0-989 0-986 0-981	8-010 8-011 8-014 8-007		8-011
31.				1-7 1-8 2-2 2-3	2 55 49 2 28 04 1 21 28 1 11 18	1382-9		0-998 0-998 1-000 1-000	7-910 7-912 7-897 7-896		June 21.	Keemah.			1-6 1-7 1-8 1-9	3 21 50 2 48 16 2 21 33 2 00 42	1375-7		0-982 0-981 0-980 0-982	8-121 8-123 8-131 8-120			8-124
April 8.	Pulo Ku- neeang.			1-7 1-8 2-2 2-3	2 54 37 2 26 52 1 20 39 1 10 53	1382-6		0-996 0-995 0-996 0-998	7-902 7-946 7-938 7-922	7-916	Sept. 1.	Cocos or Keeling Islands.			1-6 1-7 1-8 1-9	3 48 51 3 10 21 2 40 37 2 16 39	1462-1		0-982 0-980 0-981 0-981	7-171 7-182 7-178 7-177	7-177	
10.				1-7 1-8 2-2 2-3	2 55 43 2 27 58 1 21 26 1 11 22	1381-3		0-998 0-998 1-000 1-000	7-921 7-924 7-908 7-903		7.				1-6 1-7 1-8 1-9	3 48 06 3 09 58 2 40 07 2 16 15	1465-4		0-979 0-978 0-978 0-978	7-170 7-176 7-176 7-174		7-176
26.	Bezooki.			1-7 1-8 2-2 2-3	2 55 22 2 27 28 1 21 05 1 11 08	1374-75		1-001 1-000 1-001 1-002	7-957 7-965 7-953 7-942		12.				1-6 1-7 1-8 1-9	3 48 31 3 10 42 2 40 57 2 16 51	1465-6		0-980 0-980 0-981 0-981	7-157 7-156 7-151 7-152			7-152
May 12.	Kedeeri.			1-7 1-8 2-2 2-3	2 56 19 2 28 39 1 21 42 1 11 03	1386-75		0-997 0-997 0-998 0-995	7-880 7-878 7-867 7-892	7-879	1849. Jan. 3.	Malacca.			1-6 1-7 1-8 1-9	3 24 12 2 50 22 2 23 05 2 02 01	1390-68		0-976 0-976 0-975 0-976	7-986 7-986 7-999 7-989	7-981	
13.				1-7 1-8 2-2 2-3	2 58 14 2 30 16 1 22 31 1 12 18	1395-8		0-995 0-995 0-997 0-997	7-784 7-782 7-770 7-771		13.	Pulo Din- ding.			1-6 1-7 1-8 1-9	3 24 07 2 50 05 2 23 12 2 01 56	1387-2		0-978 0-978 0-977 0-978	8-012 8-016 8-020 8-011		8-015
21.	Patchitan.			1-7 1-8 2-2 2-3	2 59 02 2 30 20 1 22 46 1 12 07			0-997 0-995 0-998 0-995	7-767 7-781 7-763 7-781		27.	Penang.			1-6 1-7 1-8 1-9	3 22 42 2 49 04 2 22 20 2 01 17	1390-0		0-974 0-973 0-973 0-974	8-022 8-023 8-027 8-020			8-024
June 1.	Manāroo.			1-7 1-8 2-2 2-3	2 58 36 2 30 07 1 22 34 1 12 15	1399-6		0-994 0-993 0-995 0-995	7-756 7-766 7-753 7-754	Feb. 10.	Nicobar.			1-6 1-7 1-8 1-9	3 23 29 2 49 23 2 22 54 2 01 49	1390-2		0-974 0-973 0-974 0-975	8-000 8-008 8-004 7-995	8-002		
6.	Kārang Bo- lang.			1-7 1-8 2-2 2-3	2 56 41 2 28 38 1 21 49 1 11 30	1392-0		0-995 0-994 0-996 0-995	7-831 7-838 7-821 7-827	7-829	Mar. 27.	Hastings' Island.			1-6 1-7 1-8 1-9	3 21 35 2 47 28 2 21 18 2 00 29	1386-9		0-973 0-971 0-971 0-972		8-061 8-077 8-073 8-062	8-068
9.	Chilāchap.			1-7 1-8 2-2 2-3	2 58 02 2 29 36 1 22 25 1 11 56	1396-5		0-997 0-996 0-998 0-997	7-804 7-815 7-795 7-806		April 16.	Moulmein.			1-6 1-7 1-8 1-9	3 24 51 2 50 28 2 23 40 2 02 31	1391-4		0-976 0-975 0-975 0-976		7-973 7-983 7-983 7-972		7-978
25.	Kandang Aur.			1-7 1-8 2-2 2-3	2 58 32 2 30 07 1 22 32 1 12 11	1394-9		0-996 0-996 0-997 0-997	7-791 7-790 7-778 7-781		Aug. 25.	Madras.			1-6 1-7 1-8 1-9	3 23 42 2 49 32 2 22 20 2 01 21	1400-3		0-967 0-966 0-965 0-965	7-943 7-952 7-968 7-963	7-963	
Aug. 19.	Lampongs, Sumātra.			1-7 1-8 2-2 2-3	2 57 01 2 28 49 1 22 10 1 11 22	1395-3		0-993 0-992 0-993 0-991	7-814 7-823 7-794 7-824	Oct. 3.				1-6 1-7 1-8 1-9	3 23 02 2 49 15 2 22 30 2 01 12	1402-1		0-965 0-965 0-965 0-965	7-943 7-946 7-950 7-950	7-951		
				1-6	3 32 14	1395-5		0-992	7-808													

Absolute Determinations of Dip, Horizontal and Total Intensity, and Variation at different Stations in the Archipelago, together with the Heights, in Feet, of some of the Stations in Sumātra determined by CARY's Portable Barometer.

TABLE H.

Date.	Station.	Latitude.	Longitude.	Dip corrected to Jan. 1, 1848.	Horizontal Intensity.	Total Intensity.	Variation.	Altitude above sea level.
1845	Singapore	1° 18' 32" N.	103° 56' 30" E.	0	8-0947	8-306	1° 36' 46" E.	S. L.*
1846	Singapore .....	.....	.....	12 51·8 S.	8-121	8-333	.....	S. L.
1847	Singapore .....	.....	.....	12 56·2	8-116	8-328	.....	S. L.
1848	Singapore .....	.....	.....	12 56·7	8-114	8-326	1 36 15	S. L.
January, 1846	Pulo Peesang	1 27 52·6	103 19 15	.....	8-092	.....	1 31 07	S. L.
.....	Carimons	0 59 22	103 27 00	.....	8-077	.....	1 23 05	S. L.
February.	Pulo Booāya	0 09 09	104 21 00	.....	.....	.....	1 28 49	S. L.
.....	Lingin	0 11 39 S.	104 37 00	.....	8-062	.....	1 19 07	S. L.
May, June and July.	Sarāwak	1 33 54 N.	110 29 00	11 14·9	8-186	8-346	1 09 40	U.†
July.	Sambas	1 22 00	109 28 00	11 31·0	8-166	8-334	1 15 50	U.
.....	Permanket	1 10 29	109 04 15	12 35·8	8-182	8-384	1 09 33	S. L.
August.	Pantiānak	0 01 19·3 S.	109 30 00	12 45·0	8-125	8-331	1 31 19	S. L.
August.	Succadāna	1 15 33	109 57 00	17 02·1	8-086	8-457	1 22 39	S. L.
September.	Batavia	6 09 52	106 58 00	27 05·4	7-897	8-870	0 47 07	S. L.
September 29.	Ceram	6 07 05	106 15 00	27 14·2	7-850	8-829	0 34 25	S. L.
October 1.	Anjeer	6 02 47	106 01 00	26 32·0	7-887	8-815	0 58 11	S. L.
October 3.	Cheringin	6 22 05	105 46 45	27 34·0	7-886	8-895	0 50 44	S. L.
October 5.	Palambangan	6 31 00	105 54 45	28 08·6	7-855	8-909	0 59 10	U.
October 7.	Chebiliang	6 47 00	105 49 15	28 41·1	7-753	8-834	0 20 36	U.
October 10.	Chelangkahan	6 54 00 ?	106 06 45 ?	28 23·9	7-647	8-838	0 13 46	U.
October 12.	Goonong Dādap	6 28 00 ?	106 06 00 ?	27 31·7	7-943	8-958	0 52 57	U.
October 15.	Woorong Goonong	6 11 00 ?	106 10 00 ?	27 23·2	7-916	8-915	0 40 04	U.
November 23.	Tegu	6 43 04	106 58 45 ?	28 45·4	.....	.....	0 11 32 ?	U.‡
November 27.	Pangerango	6 51 00 ?	106 59 00 ?	29 45·7	.....	.....	.....	U.§
December 1.	Chunjūr	6 50 08	107 09 45	28 26·1	7-886	8-967	1 35 28 ?	U.||
December 4.	Karang Tengga	6 58 16	106 47 45	28 24·1	7-934	9-020	1 13 18	U.
December 7.	Chebānok	6 57 14	106 25 30	28 30·8	7-916	9-009	0 35 09	S. L.
December 8.	Wyn Cooper's Bay	7 05 00 ?	106 36 30	29 21·5	7-873	9-033	0 32 20	S. L.
December 10.	Chilotoe	7 11 17	106 27 00	28 54·3	7-894	9-017	0 27 38	U.
December 11.	Pangangbahan	7 30 37	106 19 00	29 44·4	7-907	9-106	0 10 05	U.
December 13.	Mooāro Chikasso	7 28 00	106 38 00	30 08·3	7-817	9-039	0 13 14	S. L.
December 15.	Sidang Bārang	7 30 00 ?	107 10 00	30 15·0	7-781	9-007	0 05 13	U.
December 16.	Bejong Petair	7 13 36	107 02 00	29 36·5	7-924	9-113	0 16 23	U.
December 21.	Bandong	6 55 44	107 40 30	28 34·4	7-939	9-040	0 26 23	U.
December 24.	Garoot	7 13 54	107 55 00	29 01·5	7-925	9-060	0 25 21	U.
December 29.	Permangpek	7 39 23	107 45 15	30 14·8	7-826	9-059	0 20 20	U.
Jan. 1, 1847.....	Cherignūktok	7 38 25	108 09 45	30 10·9	7-894	9-132	0 18 13	U.
Jan. 6.	Kālipoochen	7 39 02	108 52 30	29 53·9	7-907	9-121	0 57 46	S. L.¶
Jan. 8.	Banjeer	7 23 08	108 42 00	29 09·9	.....	.....	0 27 59	U.
Jan. 10.	Chāwee	7 09 34	108 23 00	28 41·9	7-953	9-066	0 33 23	U.
Jan. 12.	Samadang	6 51 14	108 04 45	28 00·2	7-948	9-002	0 30 24	U.
Jan. 14.	Cheribon	6 43 34	108 42 00	27 52·0	.....	.....	0 31 41	S. L.
Jan. 18.	Indramāyu	6 19 35	108 25 45	27 30·9	7-944	8-957	0 41 05	S. L.
Jan. 20.	Tegal	6 51 57	109 15 30	28 05·1	7-950	9-010	0 37 59	S. L.
Jan. 30.	Samārang	6 59 42	110 30 45	27 04·6	7-937	8-915	0 23 51	S. L.
Feb. 2.	Japara	6 36 07	110 38 15	27 29·9	7-964	8-978	0 24 55	S. L.
Feb. 5.	Ambarāwa	7 16 08	110 28 45	29 27·7	7-963	9-146	0 33 17	U.
Feb. 10.	Balembang	7 24 00 ?	110 37 00	29 02·4	.....	.....	.....	U.
Feb. 13.	Solo	7 35 00 ?	110 53 30	29 12·7	7-958	9-118	0 35 59	U.
Feb. 15.	Nyāwee	7 23 52	111 29 15	28 59·9	8-040	9-193	0 29 25	U.
Feb. 22.	Bankāwa, Solo river	7 00 26	112 21 00	27 47·3	8-025	9-072	0 28 38	U.
Feb. 25.	Soorabāya	7 16 01	112 44 30	28 53·0	8-075	9-222	0 51 55	S. L.
March.	Sūmenap	7 00 26	113 51 15	27 45·8	8-048	9-096	0 44 15	S. L.
April.	Pulo Kuneang	6 51 32	115 16 30	27 25·6	8-064	9-086	0 32 07	S. L.
Apr. 26.	Bezooki	7 43 29	113 42 45	27 07·5	8-011	9-000	0 29 59	S. L.
May.	Kedeeri	7 48 29	112 00 00	29 52·2	7-905	9-115	0 28 28	U.
May 21.	Patchitan	8 12 56	111 05 30	30 36·0	7-887	9-163	0 19 32	S. L.
June 1.	Munoori	7 35 22	110 04 00	29 20·5	7-960	9-130	0 18 18	U.
June 6.	Kārang Bolong	7 45 44	109 27 00	29 55·9	7-935	9-157	0 32 13	S. L.
June 9.	Chilāchap	7 44 29	108 57 15	29 45·8	7-915	9-118	0 36 57	S. L.
June 12.	Aji Bārang	2 24 49	109 03 30	27 22·1	.....	.....	0 54 38	U.
June 25.	Kandang Aur	6 23 46	108 04 30	.....	7-944	.....	0 18 13	S. L.
August.	Lampongs	5 26 12	105 20 15	26 15·7	7-916	8-827	1 12 30	S. L.
September.	Bencoolen	3 53 54	102 28 45	23 54·0	7-913	8-655	1 05 09	S. L.

* S.L. Sea level.

† U.; height unknown.

‡ November 22nd, variation = 10° 20' E. and 23rd = 12° 45'.

§ Pangerango, about 10,000 feet high.

|| By morning sights 1° 33' 30". Afternoon 1° 31' 17", and by equal altitudes 1° 35' 28".

¶ This variation is different from the others, but by equal altitudes = 0° 57' 26" E.

TABLE H.

Date.	Station.	Latitude.	Longitude.	Dip corrected to Jan. 1, 1848.	Horizontal Intensity.	Total Intensity.	Variation.	Altitude above sea level.
October, 1847	Padang	0° 58' 58" S.	100° 31' 15" E.	18° 32' 2" S.	7.962	8.397	1° 24' 26" E.	S. L.
Nov. 1 and 2.	Solok	0° 47' 05"	100° 55' 45"	17° 50' 8"	.....	.....	1° 39' 05"	1232
Nov. 5.	Sijonjong	0° 41' 47"	101° 19' 30"	17° 49' 8"	.....	.....	1° 21' 38"	458
Nov. 8.	Bua Pānjāng	0° 28' 09"	101° 08' 00"	17° 11' 4"	.....	.....	1° 22' 29"	U.
Nov. 10.	Pāyacombo	0° 13' 16"	101° 04' 45"	16° 38' 2"	.....	.....	1° 29' 46"	1631
Nov. 11.	Fort Vande Capellen	0° 27' 34"	101° 03' 00"	17° 12' 3"	.....	.....	1° 28' 13"	U.
Nov. 14.	Padang Panjang	0° 22' 00' ?	100° 42' 30"	17° 47' 5"	.....	.....	1° 33' 30"	2559
Nov. 16.	Fort de Kock	0° 13' 00' ?	100° 27' 15"	16° 59' 6"	.....	.....	1° 09' 23"	3043
Nov. 17.	Menindjo	0° 13' 00"	100° 14' 00"	17° 00' 8"	.....	.....	1° 31' 48"	1492
Nov. 18.	Balembangan	0° 11' 44"	100° 10' 15"	16° 47' 3"	.....	.....	1° 36' 39"	2583
Nov. 19.	Peesang	0° 07' 55"	100° 12' 00"	16° 33' 4"	.....	.....	1° 46' 33"	U.
Nov. 20.	Bonjol	0° 00' 52"	100° 13' 30"	16° 38' 5"	.....	.....	1° 35' 30"	650
Nov. 21.	Loobisikapping	0° 06' 55' ? N.	.....	16° 08' 3"	.....	.....	.....	1475
Nov. 22.	Batoo Bedindi	0° 16' 00' ?	.....	15° 49' 2"	.....	.....	1° 35' 45"	909
Nov. 23.	Lender	0° 24' 24"	100° 04' 00"	15° 35' 2"	.....	.....	.....	695
Nov. 24 and 25.	Rau	0° 33' 07"	99° 56' 45"	15° 37' 4"	.....	.....	1° 37' 27"	848
Nov. 26.	Pionghay	0° 36' 19"	99° 52' 15"	15° 50' 2"	.....	.....	1° 38' 49"	1756
Nov. 27.	Batong	0° 39' 00"	99° 47' 15"	15° 41' 5"	.....	.....	.....	1941
Nov. 28.	Kotanopan	0° 42' 00"	99° 42' 45"	15° 19' 9"	.....	.....	1° 34' 30"	1420
Nov. 29.	Tāna Bātoō	0° 44' 26"	99° 30' 45"	15° 03' 1"	.....	.....	.....	1707
Dec. 1.	Fort Elout	0° 50' 56"	99° 32' 20"	14° 48' 1"	.....	.....	1° 43' 35"	680
Dec. 3.	Singalāngan	1° 14' 48"	.....	14° 11' 9"	.....	.....	.....	U.
Dec. 6.	Padang Sidompang	1° 22' 33"	99° 22' 45"	13° 47' 0"	.....	.....	.....	928
Dec. 12 to 16.	Sibogha	1° 44' 42"	98° 56' 15"	13° 02' 5"	.....	.....	1° 40' 38"	S. L.
Dec. 19 and 20.	Bāros	2° 00' 51"	98° 31' 30"	12° 58' 0"	.....	.....	1° 16' 42"	S. L.
Dec. 23 to 25.	Sinkel	2° 16' 37"	97° 51' 35"	12° 23' 5"	.....	.....	1° 34' 08"	S. L.
Dec. 31.	Goonong Satoolie, Pulonias ..	1° 17' 35"	97° 40' 50"	14° 05' 8"	.....	.....	1° 43' 38"	S. L.
Jan. 10 to 13, 1848.	Nātal	0° 33' 44"	99° 20' 15"	15° 32' 4"	.....	.....	1° 28' 08"	S. L.
March 28.	Mount Ophir, near Malacca ..	2° 22' 00' ?	102° 38' 00' ?	9° 55' 1"	8.255	8.380	.....	U*.
May 3 to 5.	Pulo Labooan	5° 16' 59.5"	115° 18' 15"	2° 51' 6"	8.240	8.250	1° 36' 27"	S. L.
May 25 and 26.	Sambooaanga	6° 54' 20"	122° 13' 45"	1° 18' 2" N.	8.162	8.164	1° 15' 24"	S. L.
June 21.	Keemah	1° 21' 55"	125° 07' 59"	11° 01' 4" S.	8.253	8.408	1° 39' 47"	S. L.
June 27.	Tondāno	1° 17' 31"	124° 50' 11"	10° 54' 3"	.....	.....	1° 07' 37"	2240
June 29.	Manādo	1° 29' 11"	124° 51' 11"	10° 43' 6"	.....	.....	1° 26' 16"	S. L.
Aug. and Sept.	Cocos	12° 05' 38" S.	96° 50' 30"	39° 18' 5"	7.2745	9.400	1° 10' 42" W.	S. L.
January 2, 1849 ...	Malacca	2° 11' 19" N.	102° 17' 00"	11° 25' 2"	8.114	8.278	1° 50' 24" E.	S. L.
Jan. 10.	Pulo Dinding	4° 12' 47"	100° 32' 52"	7° 31' 2"	8.117	8.187	1° 48' 34"	S. L.
Jan. 20.	Pulo Penang	5° 25' 36"	100° 24' 38"	4° 52' 8"	8.159	8.189	1° 48' 48"	S. L.
Feb. 5 to 12.	Nicobar	9° 10' 12"	92° 48' 23"	1° 14' 8" N.	8.155	8.157	1° 53' 21"	S. L.
Feb. 17.	Noncowry Harbour	8° 01' 42"	93° 39' 20"	0° 54' 4" S.	.....	.....	.....	U.
Feb. 19.	Bompoko	8° 14' 05"	93° 19' 20"	0° 22' 9"	.....	.....	.....	S. L.
Mar. 26.	Hastings' Island	10° 06' 45"	98° 21' 15"	4° 19' 0" N.	8.1772	8.200	2° 13' 10"	S. L.
April.	Moulmein	16° 29' 46"	97° 45' 30"	17° 45' 6"	8.1186	8.525	2° 20' 25"	S. L.
July and August.	Madras	13° 04' 09' ?	80° 16' 00"	7° 34' 2"	8.0784	8.149	0° 56' 08"	S. L.

* Mount Ophir, about 6000 feet high.

TABLE I.

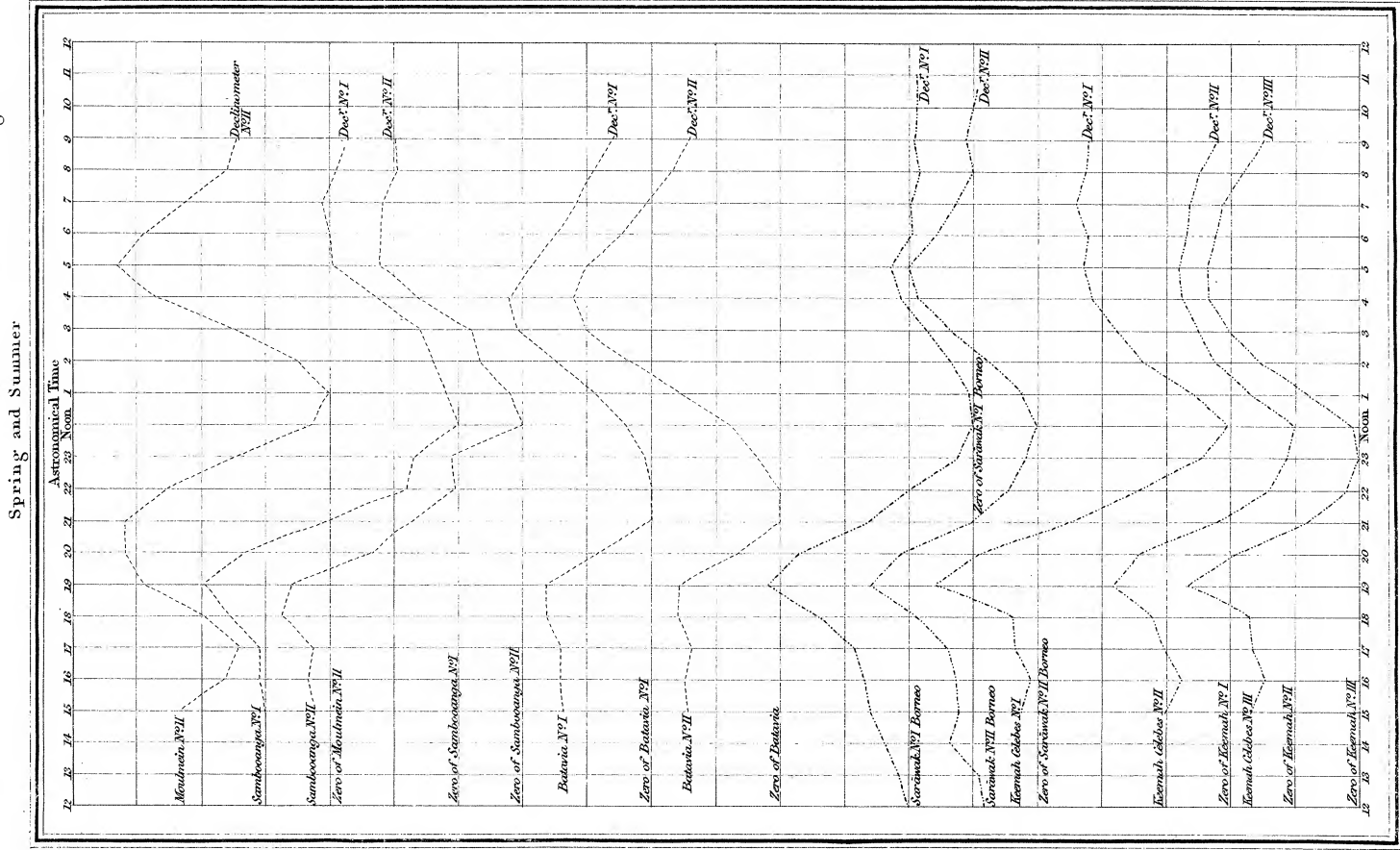
Observations at Sea.

Abstract of Three Hourly Observations made at Sea.

Astronomical Mean Time.	15.	18.	21.	Noon.	3.	6.	9.	Mean.
Observations made during the Month of April, 1848, corresponding to a Mean Latitude of 2° 42' N.; Mean Longitude 108° 03' E. Mean date April 27.								
Dry Thermometer, mean of 5 days	83·4	82·7	83·9	86·5	88·3	85·0	84·4	84·9
Wet Thermometer, mean of 5 days	79·5	79·2	79·1	80·5	82·0	79·3	79·8	79·9
Standard Thermometer, mean of 5 days	83·5	83·2	83·6	86·2	88·0	85·4	84·5	85·0
Temperature of the Air, mean of 5 days .....	.....	83·4	83·8	85·0	86·8	.....	.....	84·8
Temperature of the Sea, mean of 3 days .....	.....	83·9	84·3	85·8	86·5	.....	.....	85·1
Observations made during the month of May, 1848, corresponding to a Mean Latitude of 7° 07' N.; Mean Longitude = 119° 50' E. Mean date May 15.								
Dry Thermometer, mean of 12 days	83·1	82·7	84·9	88·1	89·2	86·3	84·6	85·6
Wet Thermometer, mean of 12 days	79·1	78·7	79·5	81·2	82·0	80·3	79·3	80·0
Standard Thermometer, mean of 12 days	83·4	82·6	84·4	87·5	89·5	87·1	85·0	85·7
Temperature of the Air, mean of 10 days .....	.....	83·2	85·3	87·8	88·1	.....	.....	86·1
Temperature of the Sea, mean of 10 days .....	.....	85·1	86·1	87·1	87·3	.....	.....	86·4
Observations made during the month of June, 1848, corresponding to a Mean Latitude of 3° 20' N.; Mean Longitude 125° 00' E. Mean date June 10.								
Dry Thermometer, mean of 14 days	81·5	81·3	82·8	85·3	85·6	83·9	82·7	83·3
Wet Thermometer, mean of 14 days	77·5	77·7	78·2	79·5	79·5	78·7	77·9	78·4
Standard Thermometer, mean of 14 days	81·8	81·3	82·4	84·9	85·5	84·6	83·1	83·4
Temperature of the Air, mean of 14 days	81·0	81·8	83·4	85·7	85·3	84·2	.....	83·8
Temperature of the Sea, mean of 14 days	82·4	84·1	84·4	85·6	85·2	84·9	.....	84·7
Observations made during the Month of July, 1848, corresponding to a Mean Latitude of 2° 55' S.; Mean Longitude 126° 00' E. Mean date July 17.								
Dry Thermometer, mean of 22 days	80·5	80·3	81·5	83·7	83·8	82·3	81·7	82·0
Wet Thermometer, mean of 22 days	77·1	77·4	77·0	78·4	78·3	77·6	77·5	77·6
Standard Thermometer, mean of 22 days	80·5	80·2	81·0	83·9	84·0	82·8	82·1	82·1
Temperature of the Air, mean of 22 days	80·8	80·6	81·6	84·2	84·2	82·8	82·2	82·4
Temperature of the Sea, mean of 22 days	80·7	81·8	82·5	83·7	83·5	82·9	82·1	82·5
Observations made during the Month of August, 1848, corresponding to a Mean Latitude of 6° 32' S.; Mean Longitude 105° E. Mean date August 17.								
Dry Thermometer, mean of 9 days	79·5	79·0	82·0	84·3	83·3	81·9	80·8	81·6
Wet Thermometer, mean of 9 days	77·4	76·6	77·7	78·6	78·4	77·8	76·8	77·6
Standard Thermometer, mean of 9 days	79·3	78·9	81·5	84·2	83·5	81·9	81·1	81·5
Temperature of the Air, mean of 9 days	80·0	79·3	81·6	84·0	83·3	82·7	81·7	81·8
Temperature of the Sea, mean of 9 days	81·2	82·5	84·6	85·1	84·3	84·8	83·6	83·7

TABLE I.

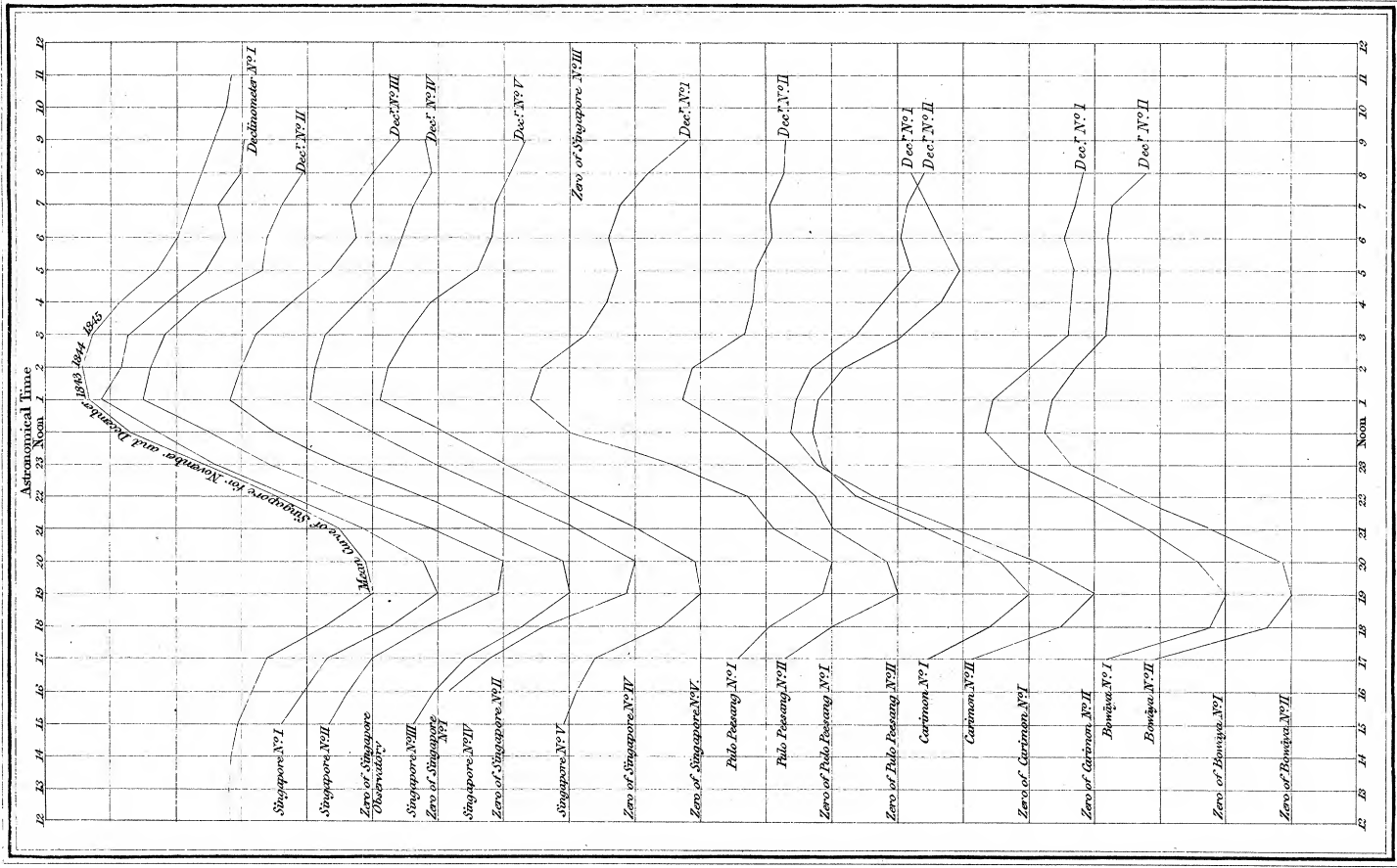
Astronomical Mean Time.	15.	18.	21.	Noon.	3.	6.	9.	Mean.
Observations made during the Month of October, 1848, corresponding to a Mean Latitude of 3° 00' S.; Mean Longitude 103° 00' E. Mean date October 10.								
Dry Thermometer, mean of 8 days	80·5	80·2	83·1	86·7	86·7	84·0	81·9	83·4
Wet Thermometer, mean of 8 days	77·1	76·4	78·3	80·0	79·7	78·3	77·0	78·2
Standard Thermometer, mean of 8 days	80·5	80·0	82·4	86·1	86·5	84·3	82·4	83·2
Temperature of the Air, mean of 8 days.....	80·9	80·5	83·9	87·6	87·1	83·2	82·3	83·8
Temperature of the Sea, mean of 8 days.....	83·4	84·0	84·4	86·2	86·1	84·7	84·6	84·8
Observations made during the Month of November, 1848, corresponding to a Mean Latitude of 0° 46' N.; Mean Longitude 105° 20' E. Mean date November 3.								
Dry Thermometer, mean of 4 days	81·4	82·2	81·7	83·1	84·8	83·8	82·4	82·8
Wet Thermometer, mean of 4 days	78·6	78·0	77·1	78·5	79·2	78·5	77·6	78·2
Standard Thermometer, mean of 4 days	81·2	82·0	81·2	82·9	83·9	84·2	82·5	82·5
Temperature of the Air, mean of 4 days.....	82·1	82·3	82·3	83·5	85·3	84·1	82·2	83·1
Temperature of the Sea, mean of 4 days.....	83·6	83·0	84·8	85·0	85·1	84·3	83·8	84·3
Observations made during the Month of February, 1849, corresponding to a Mean Latitude of 9° 00' N.; Mean Longitude 92° 48' E. Mean date February 20.								
Dry Thermometer, mean of 10 days	80·4	79·9	82·2	84·3	83·5	82·4	81·0	81·9
Wet Thermometer, mean of 10 days	75·8	75·0	75·7	76·9	75·8	75·8	75·4	75·8
Standard Thermometer, mean of 10 days	80·3	79·8	81·5	83·9	83·5	82·7	81·4	81·8
Observations made during the Month of March, 1849, corresponding to a Mean Latitude of 8° 06'; Mean Longitude 97° 34' E. Mean date March 20.								
Dry Thermometer, mean of 15 days	83·1	82·4	84·4	86·8	87·4	84·8	84·1	84·7
Wet Thermometer, mean of 15 days	78·3	77·9	78·7	79·7	80·4	78·9	78·9	79·0
Standard Thermometer, mean of 15 days	83·0	82·3	83·9	86·3	87·4	85·1	84·0	84·6
Temperature of the Air, mean of 5 days.....	83·6	83·2	85·0	87·3	88·1	85·6	84·3	85·5
Temperature of the Sea, mean of 5 days.....	84·5	84·2	84·9	85·6	85·3	84·7	84·5	84·7
Observations made during the Month of April, 1849, corresponding to a Mean Latitude of 12° 25' N.; Mean Longitude 97° 34' E. Mean date April 4.								
Dry Thermometer, mean of 6 days	83·0	82·7	84·4	87·7	88·6	86·1	84·4	85·3
Wet Thermometer, mean of 6 days	78·3	78·0	79·3	80·9	81·1	80·3	78·5	79·5
Standard Thermometer, mean of 6 days	83·0	82·6	83·9	87·2	88·2	86·2	84·6	85·1
Temperature of the Air, mean of 6 days.....	82·6	82·5	85·0	87·1	88·2	85·3	84·5	85·1
Temperature of the Sea, mean of 6 days.....	84·2	84·8	85·4	86·3	86·3	85·6	84·0	85·3

Phil Trans. MDCCCLI PL IV

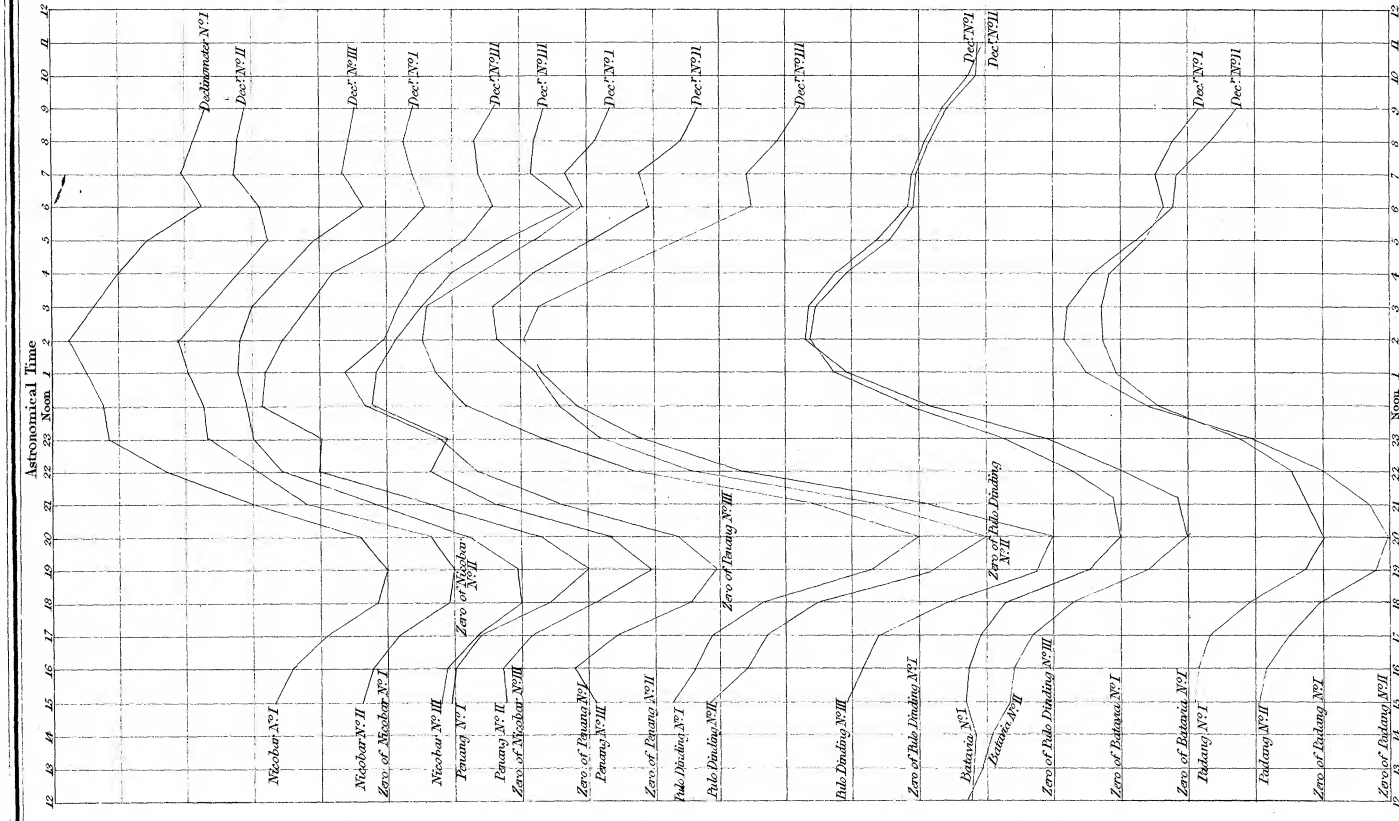
Scale of 1' of Arc to 0'35 of an Inch

The Curve Rising denotes a movement of the North Pole of the Magnet Eastward

Explanation: \bigwedge --- *Winter*



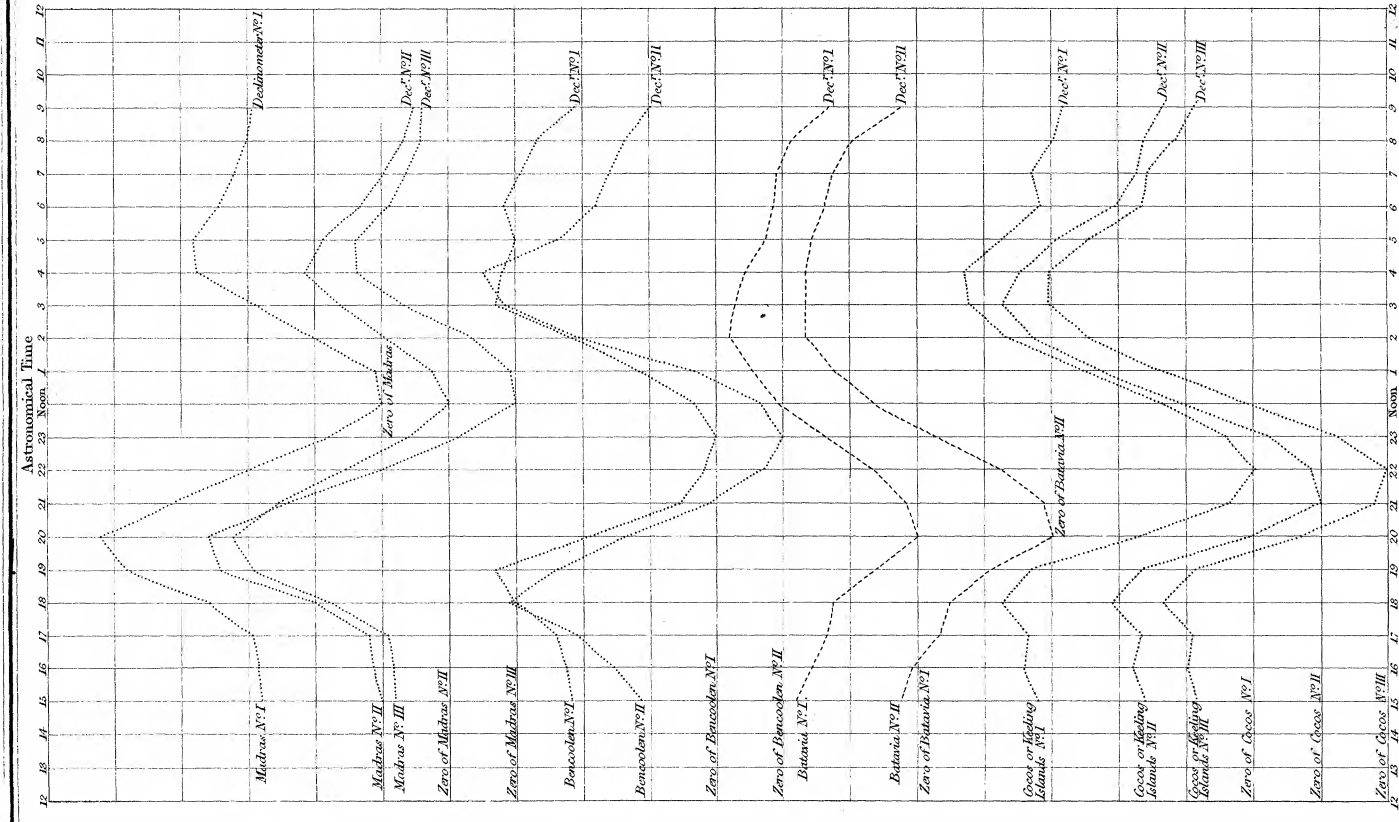
J. & C. Walker Sculp.



Scale of 1' of Arc to 0.35 of an Inch

The Curve rising denotes a movement of the North Pole of the Magnet Eastward

Explanation

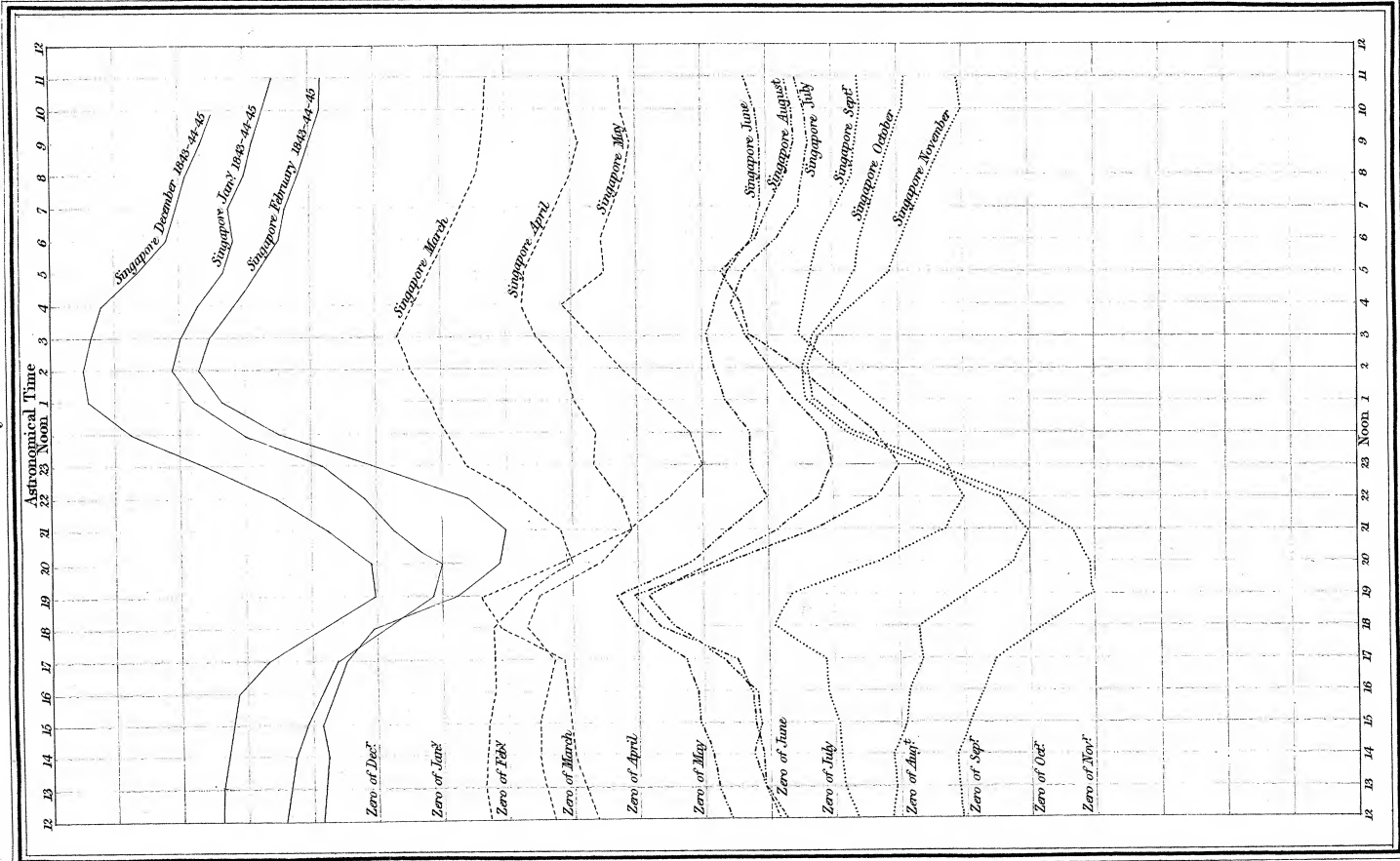


J. & C. Walker Sulp.^t

PART 1

Diurnal Oscillation of the Magnetic Declination at Singapore during the Years 1843, 1844, 1845.

Mean Monthly Curves



Scale of 0.68 of Arc to 0.35 of an Inch

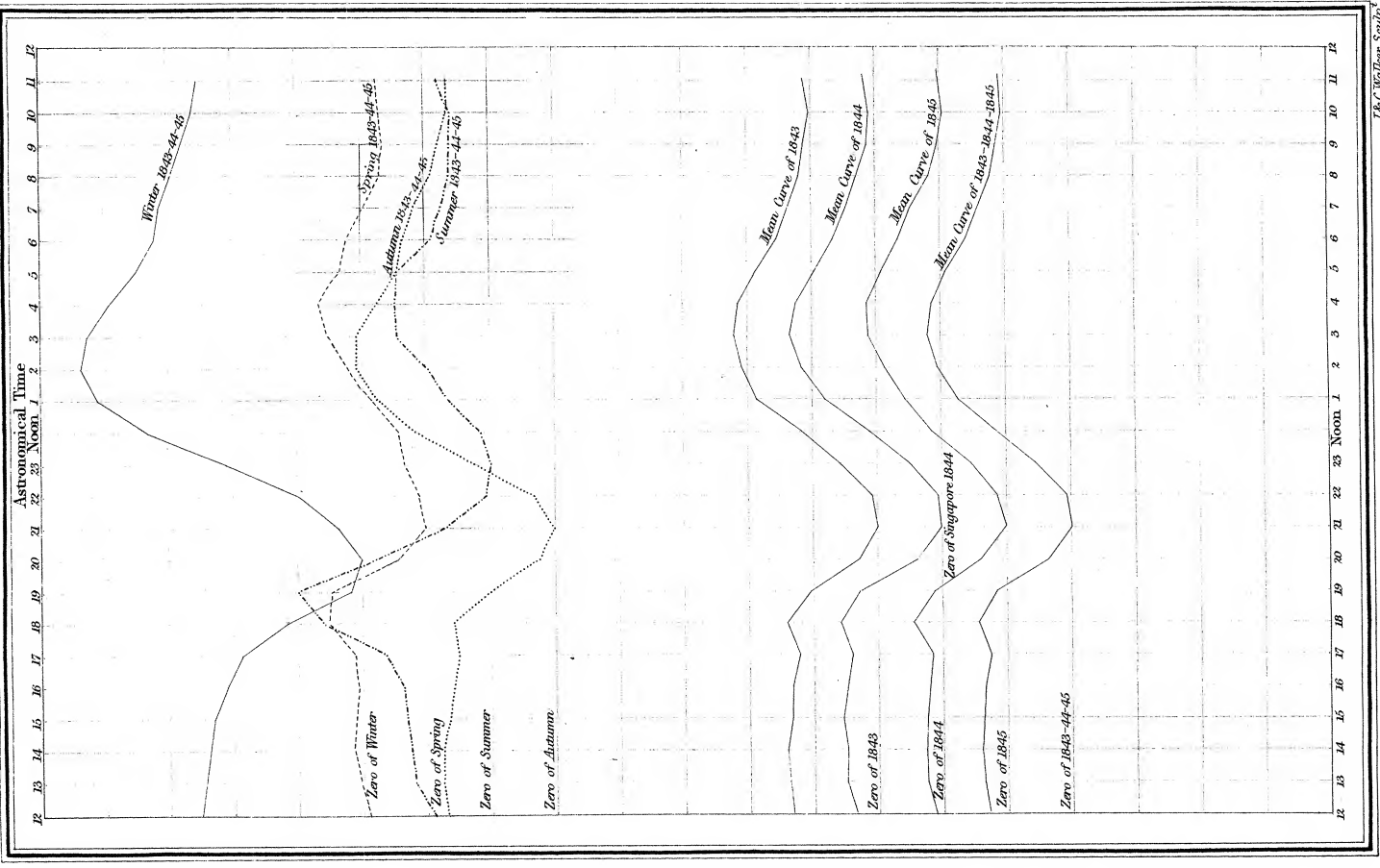
The Curve Rising denotes a movement of the North Pole of the Magnet Eastward

Explanation: \wedge Winter \vee Spring \sim Summer \dots Autumn

PART 2

Mean of each of the four Seasons, and of the General mean.

Mean of each of the four Seasons, and of the General mean.

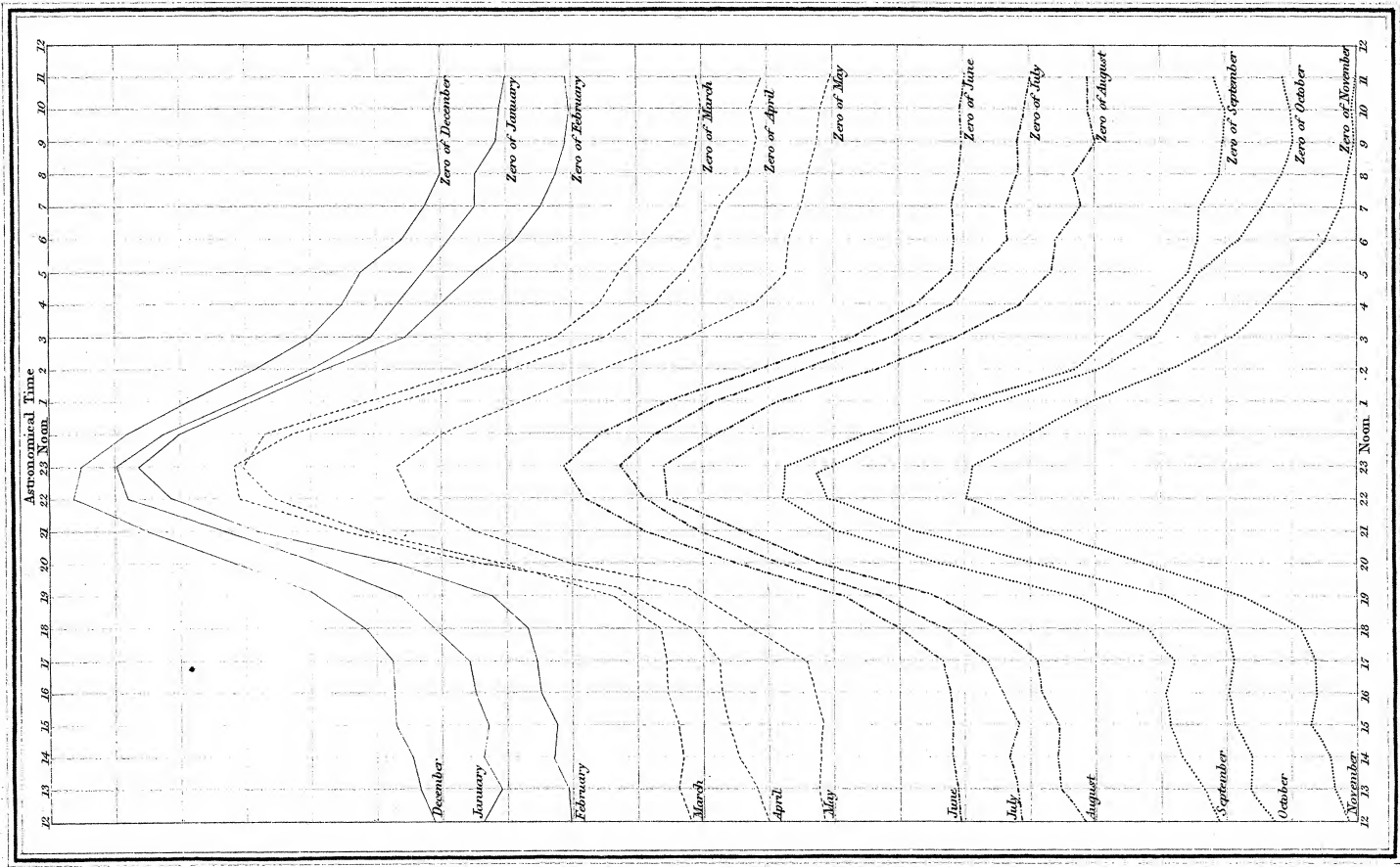


J. & C. Walker Sculp.

PART 1

Diurnal Oscillation in Scale Divisions of the Singapore Bifilar Magnetometer.

Mean of each Month for three Years.



One Scale Division .000197 of the Force to 0.35 of an Inch.

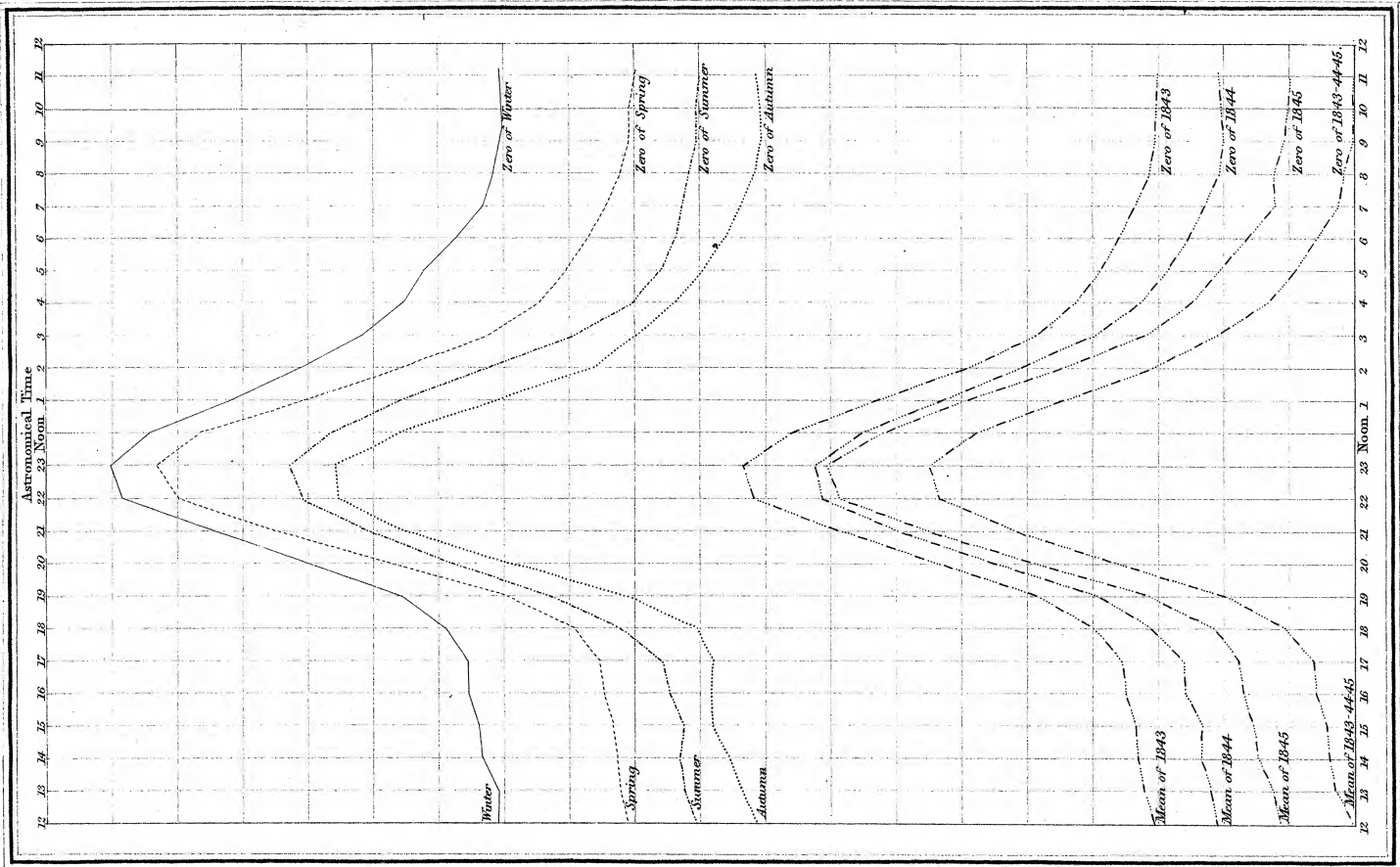
The curve Rising denotes an increase of Horizontal Force

Explanation: Winter Spring Summer Autumn Yearly Curves

PART 2

Diurnal Oscillation in Scale Divisions of the Singapore Bifilar Magnetometer.

Mean of each of the four Seasons for three Years, the mean of each year, and the mean of the three Years.



One Scale Division .000197 of the Force to 0.35 of an Inch.

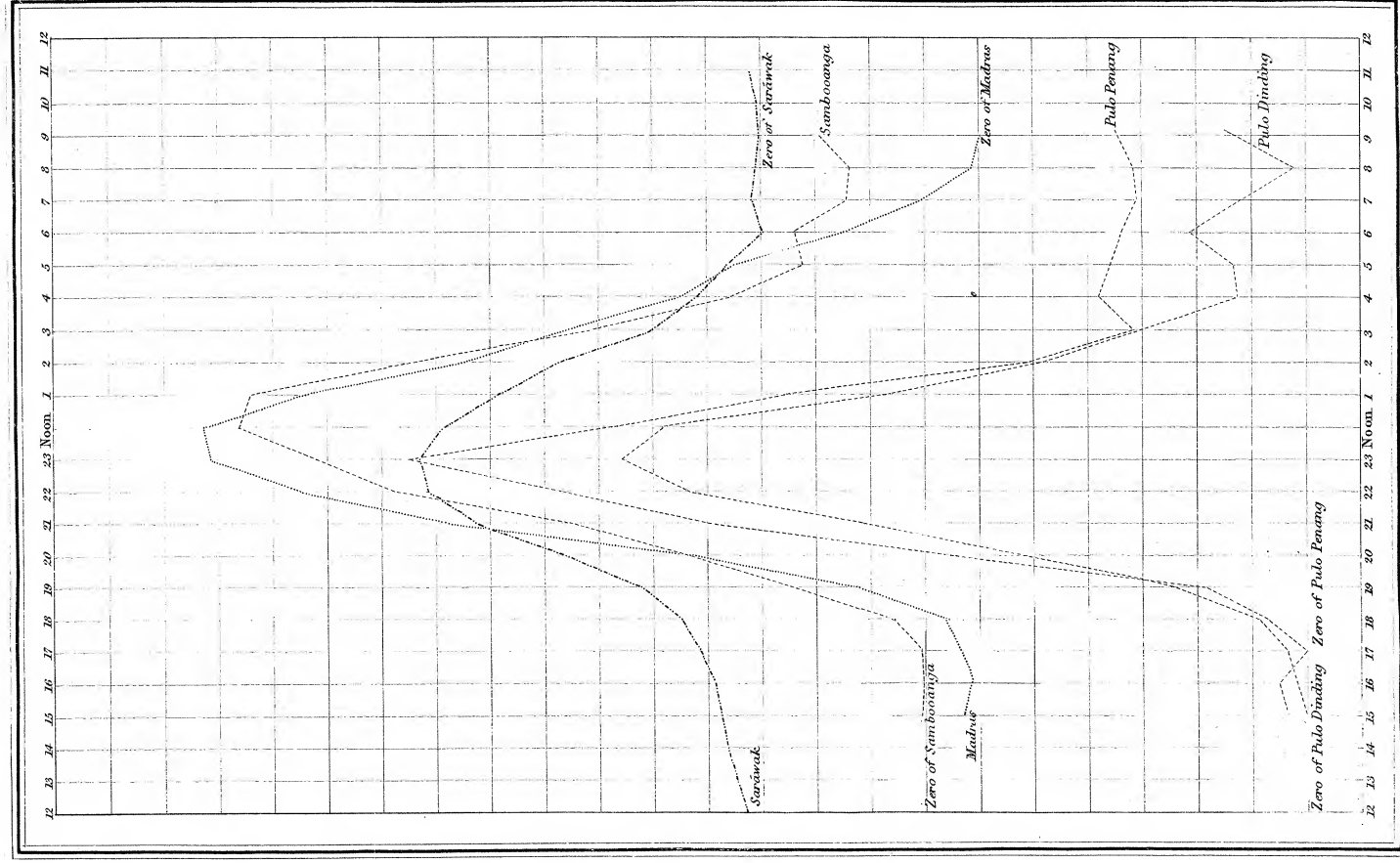
The curve Rising denotes an increase of Horizontal Force

Explanation: Winter Spring Summer Autumn Yearly Curves

PART I

Diurnal Oscillation of the Portable Bifilar Magnetometer corrected, in Scale Division + Various Stations in the Eastern Archipelago.

Phil. Trans. MDCCCCLXXIII



One Scale Division = 0.002402 of the Force / to 0.29 of an Inch

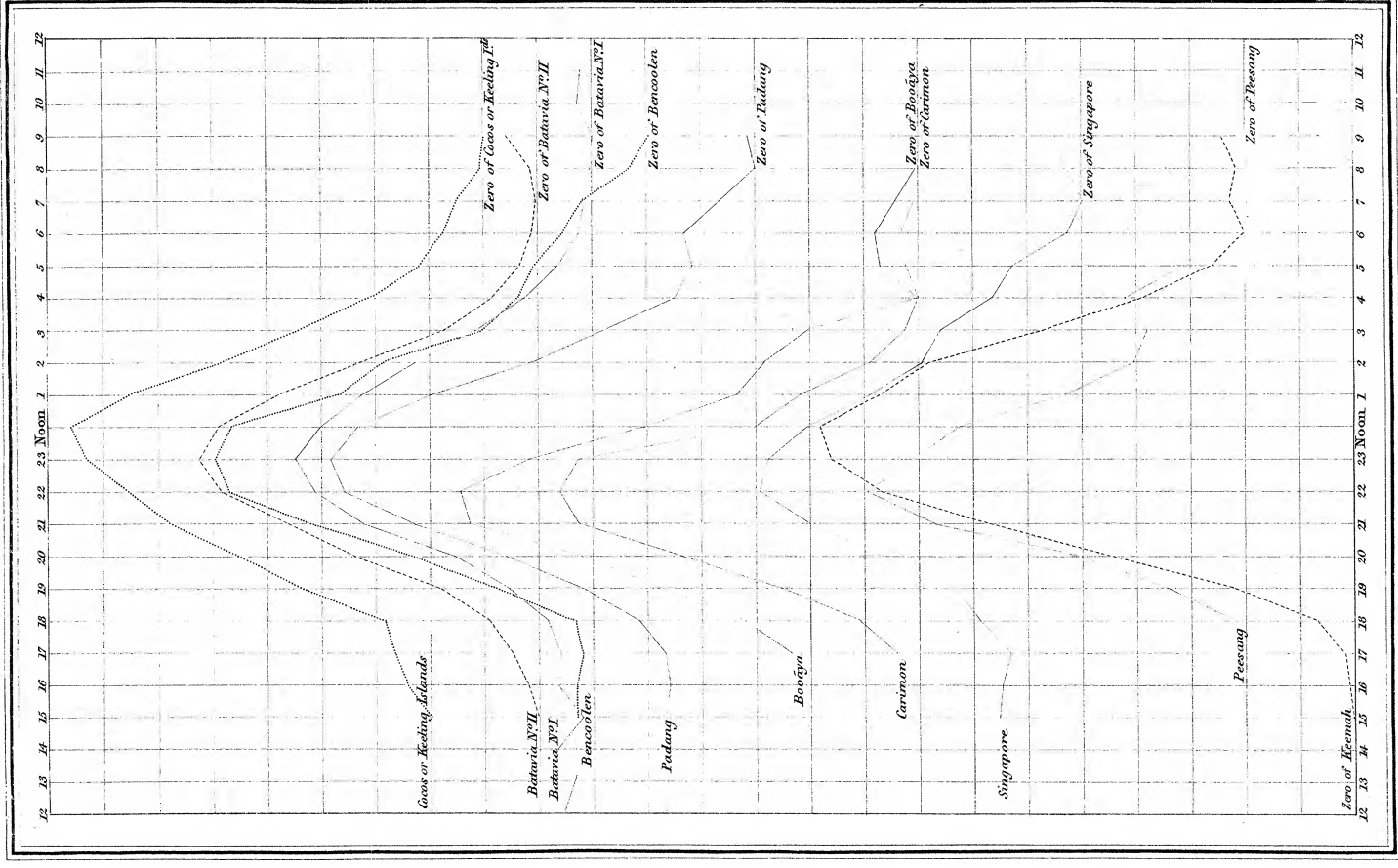
The Curve Rising denotes an Increase of Force

Explanation: Winter Spring Summer Autumn

PART 2

Diurnal Oscillation of the Portable Bifilar Magnetometer corrected, in Scale Division + Various Stations in the Eastern Archipelago.

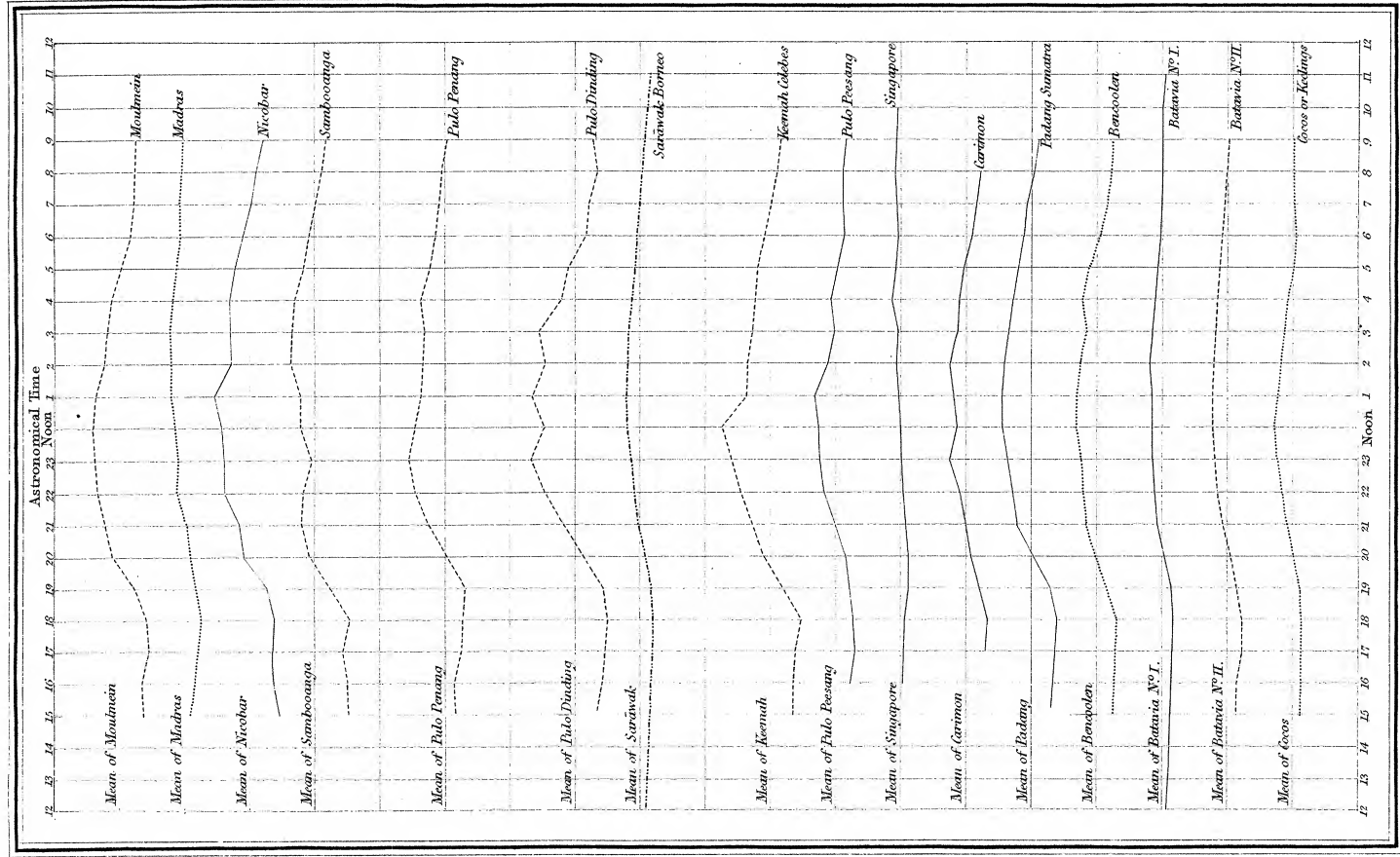
Phil. Trans. MDCCCCLXXIII



J. & C. Walker Sculp.

PART I

Variation of the Wet Bulb Thermometer at various Stations in the Eastern Archipelago.



Scale of 10° of Wet Bulb to 0·35 of an Inch

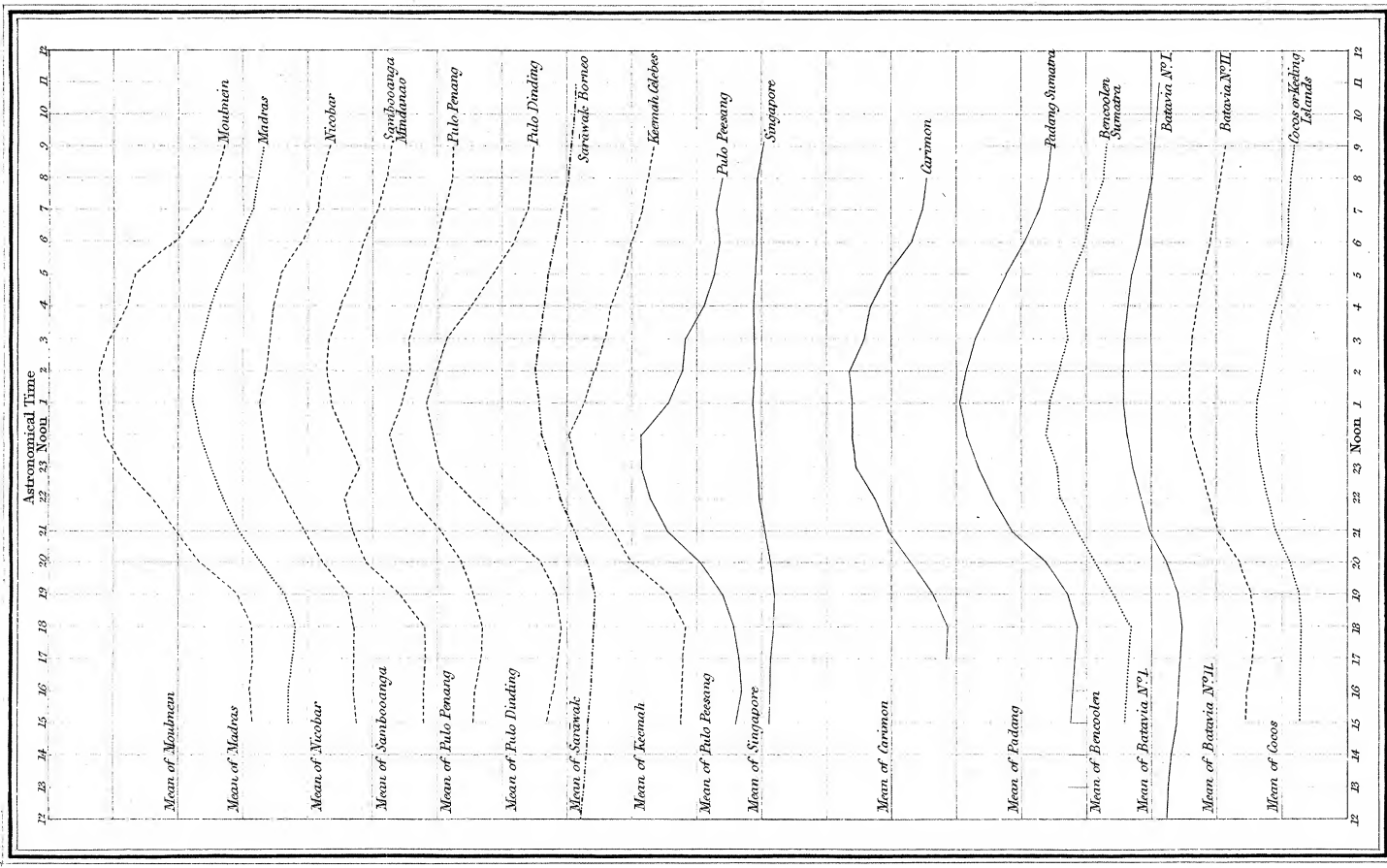
The curve rises with increase of Temperature

Explanation: Summer Spring Autumn Winter

PART 2

Variation of the Standard Thermometer at various Stations in the Eastern Archipelago.

Phil. Trans. MDCCCLXIX.

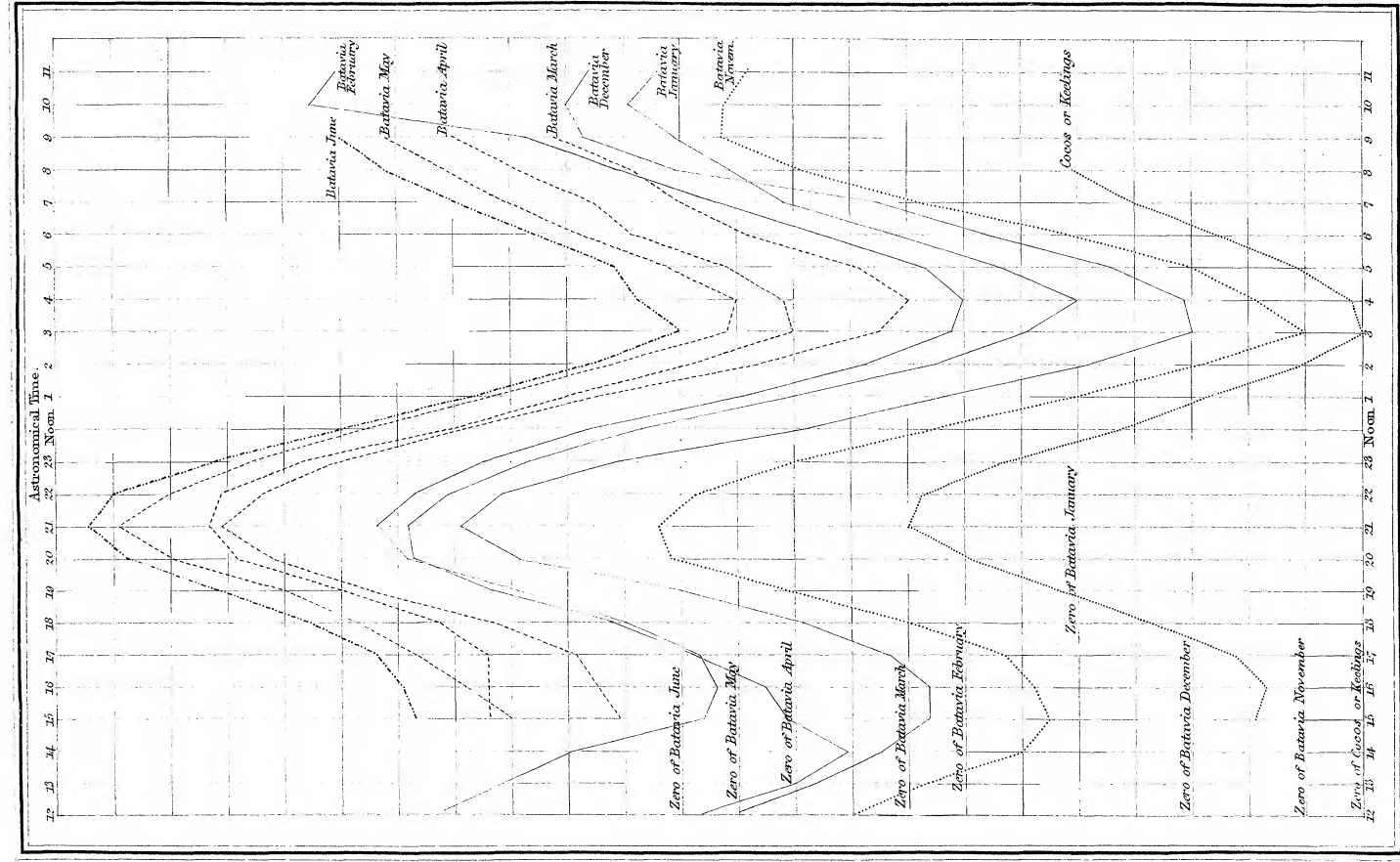


Scale of 10° of Temp° to 0·35 of an Inch

The curve rises with increase of Temperature

Explanation: Summer Spring Autumn Winter

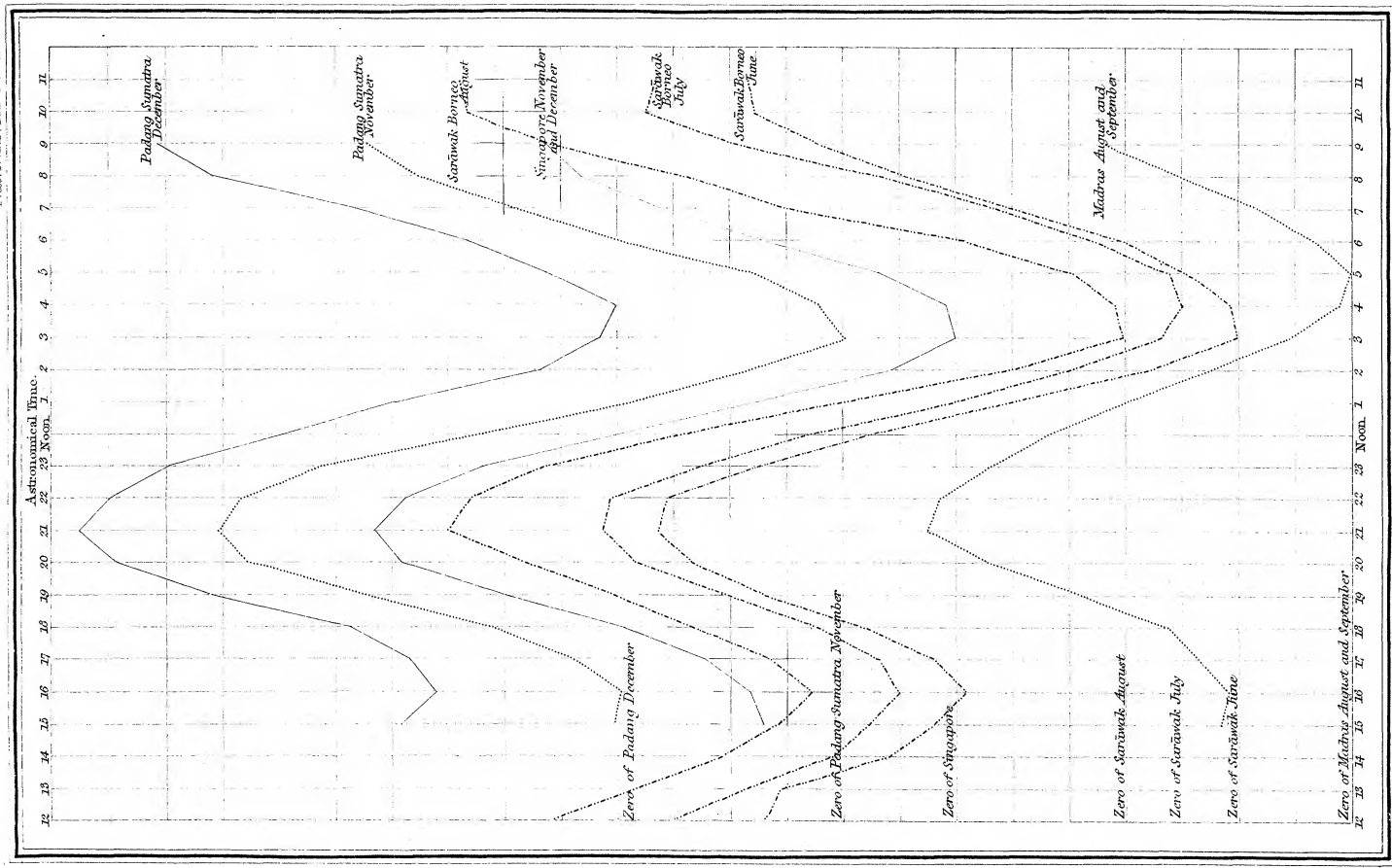
J. & C. Walker Sculp.

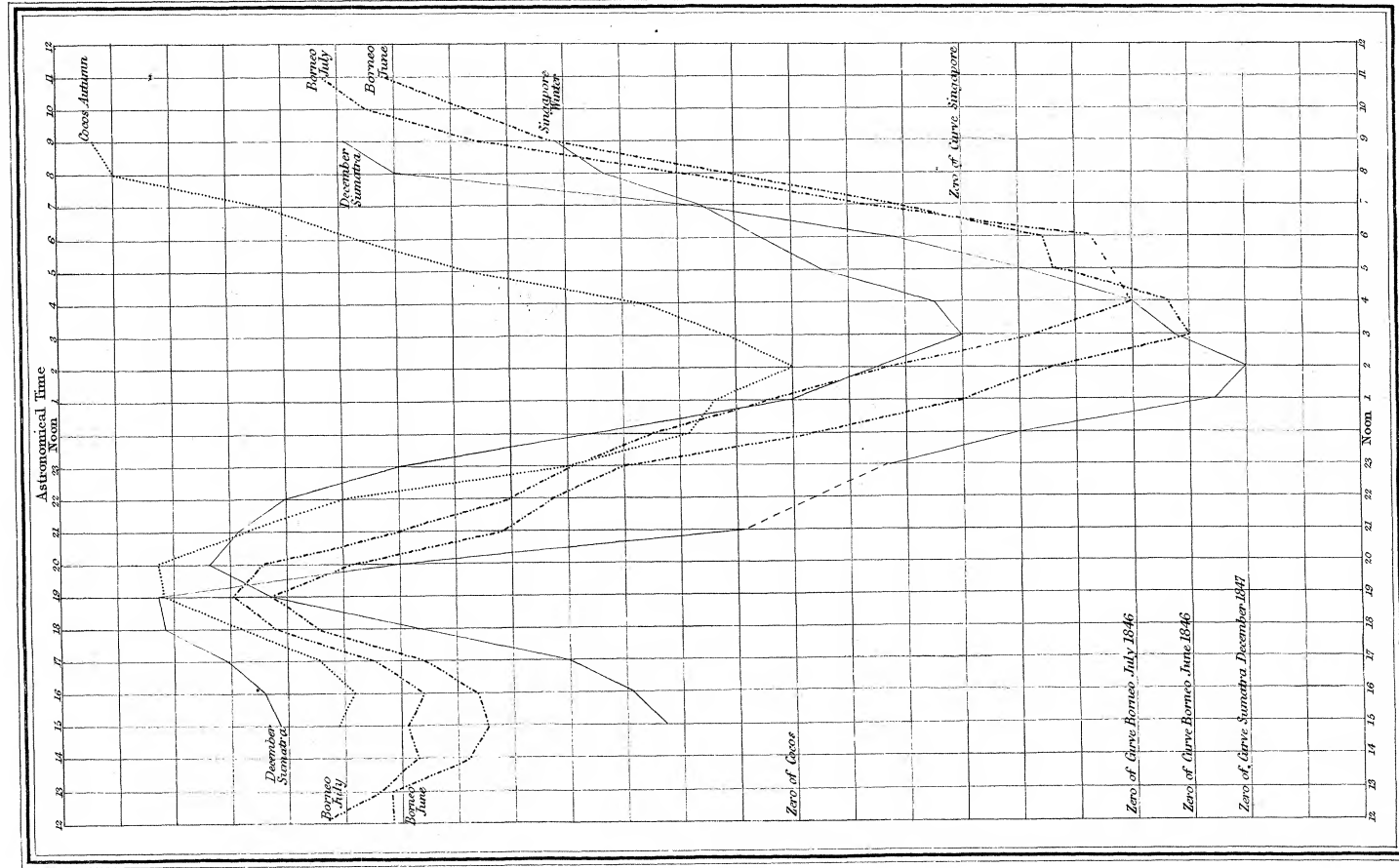


Scale of 0.10 of an Inch of Barometric Pressure to 0.30 of an Inch linear measure

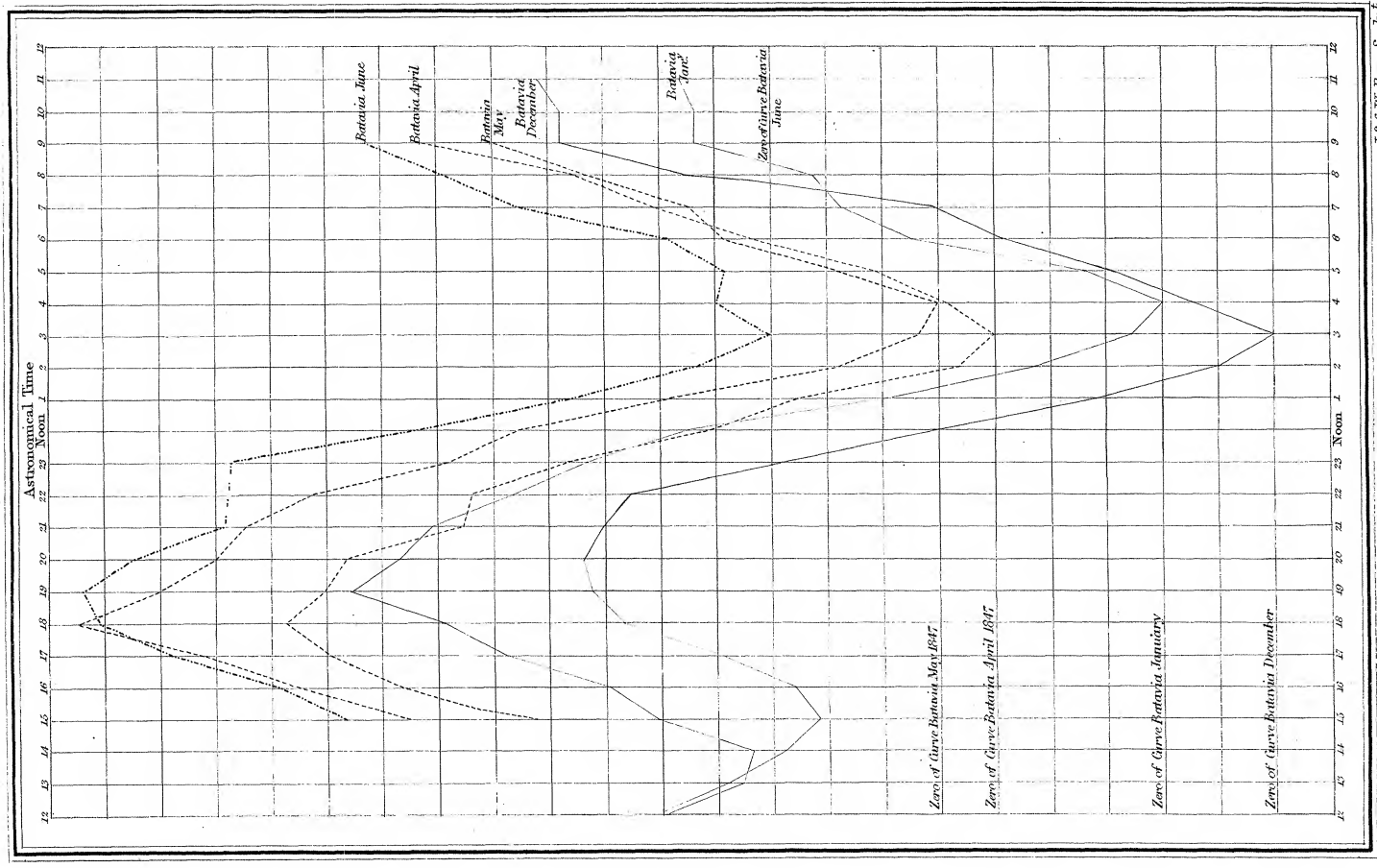
Explanation: Summer - - - - - Spring - - - - - Autumn ~~~~~ Winter

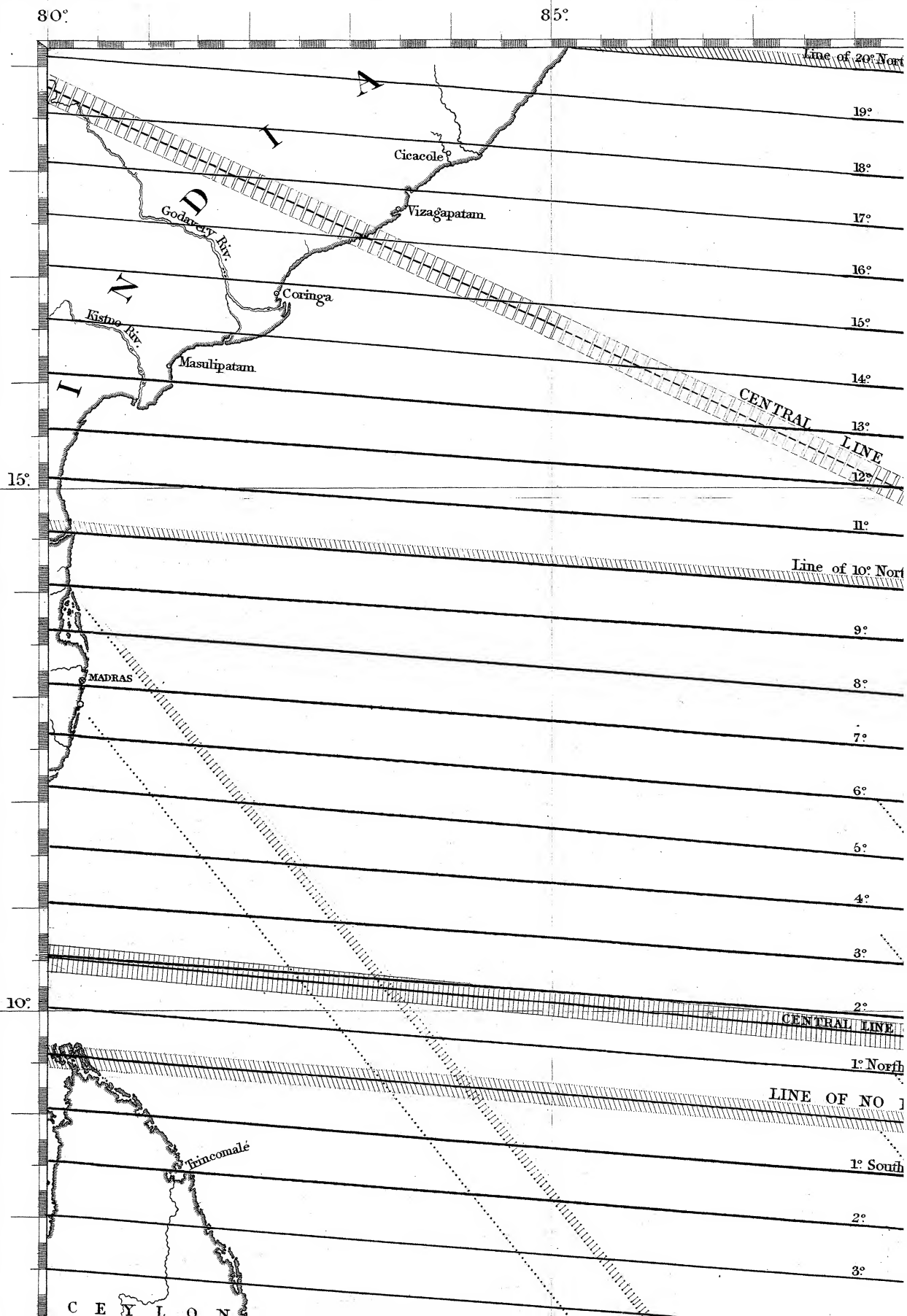
The curve rising denotes an increase of Pressure

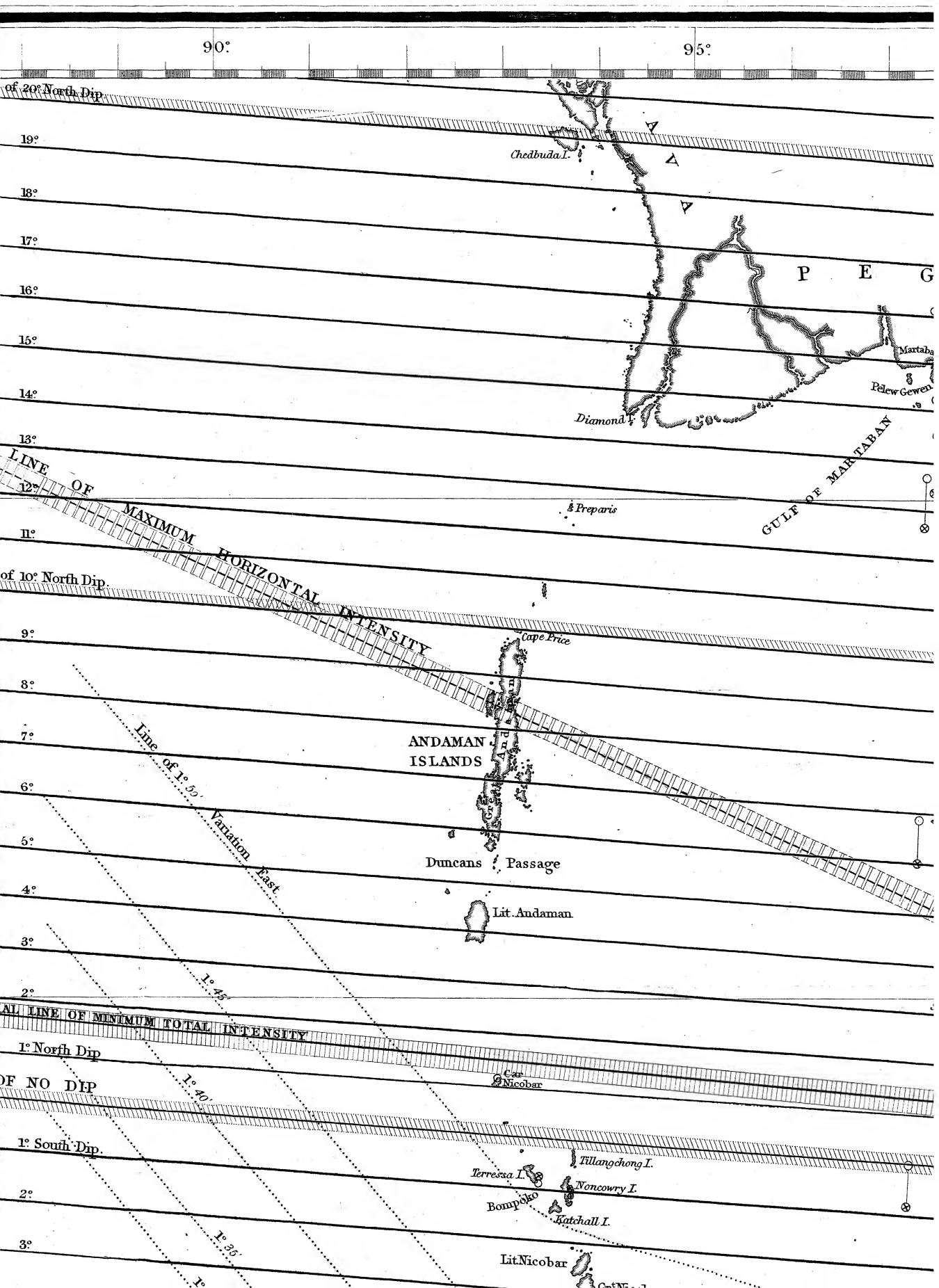




Scale of '0.10 of an Inch of Pressure of Mercury to 0.30 of an inch linear measure.
The curve rises with increase of Pressure.
Explanation: Δ Winter. ∇ Spring. \sim Summer. \cdot Autumn.

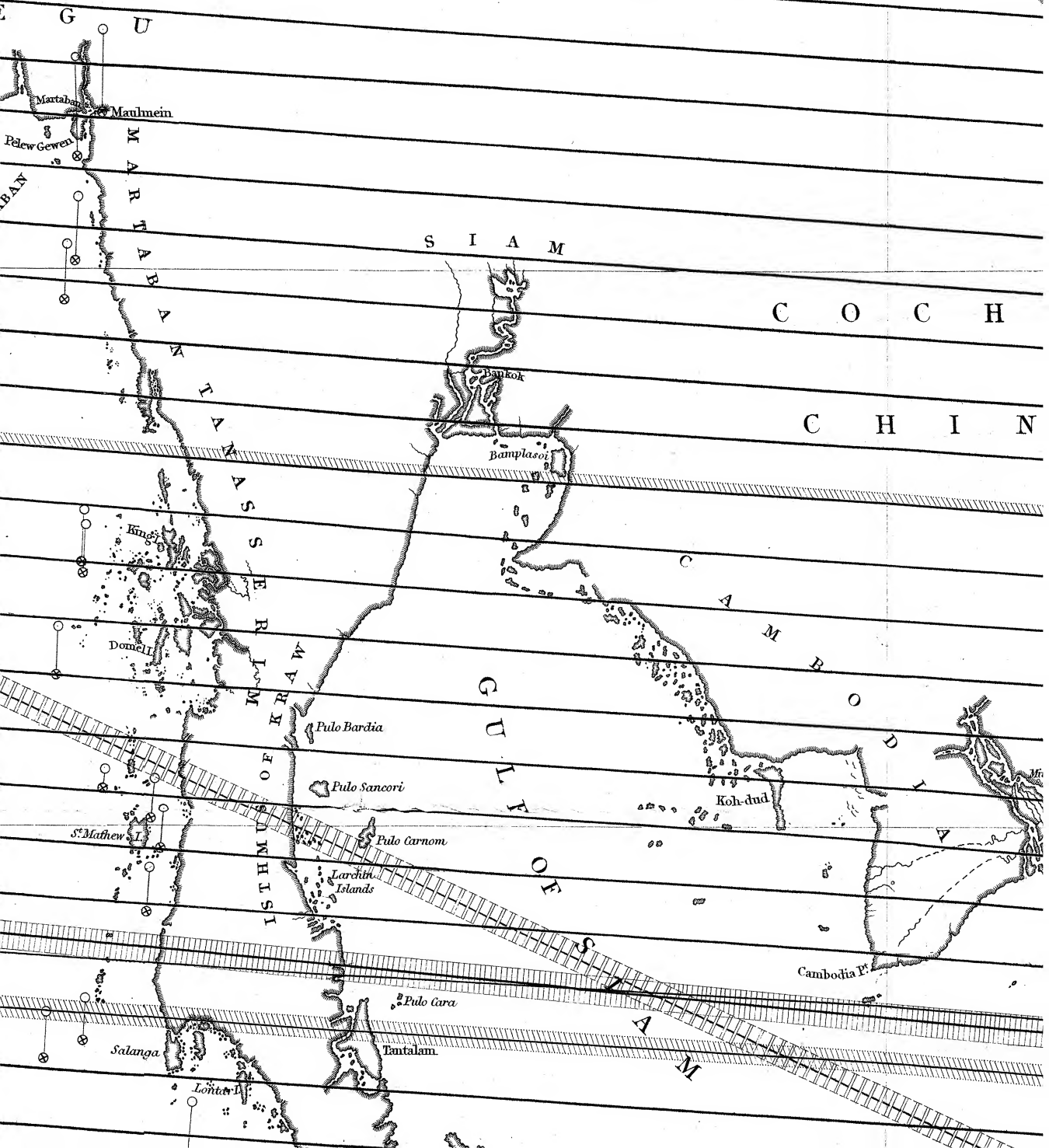






100°

105°



110°

115°

HAI-NAN

GULF OF
TONK-QUIN

H I N

N A

Quin-hon R.

Hon Cohe
Bay

Cape Varela

Cam-rahn
Harb.

C Padaran

Sai-son

Mitho

Poulo Ceizer

Catwick

Poulo Condore

H

C

N

I

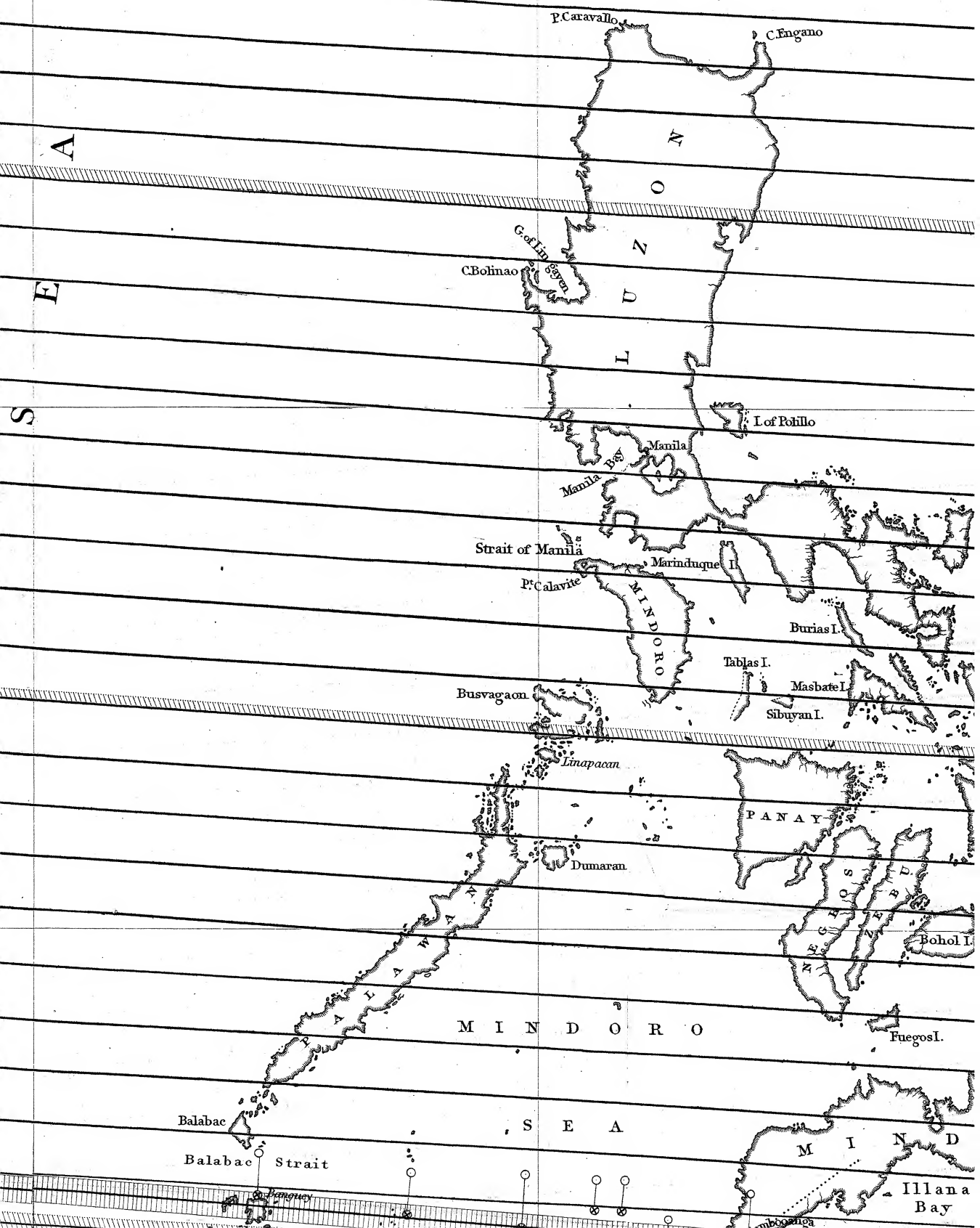
S

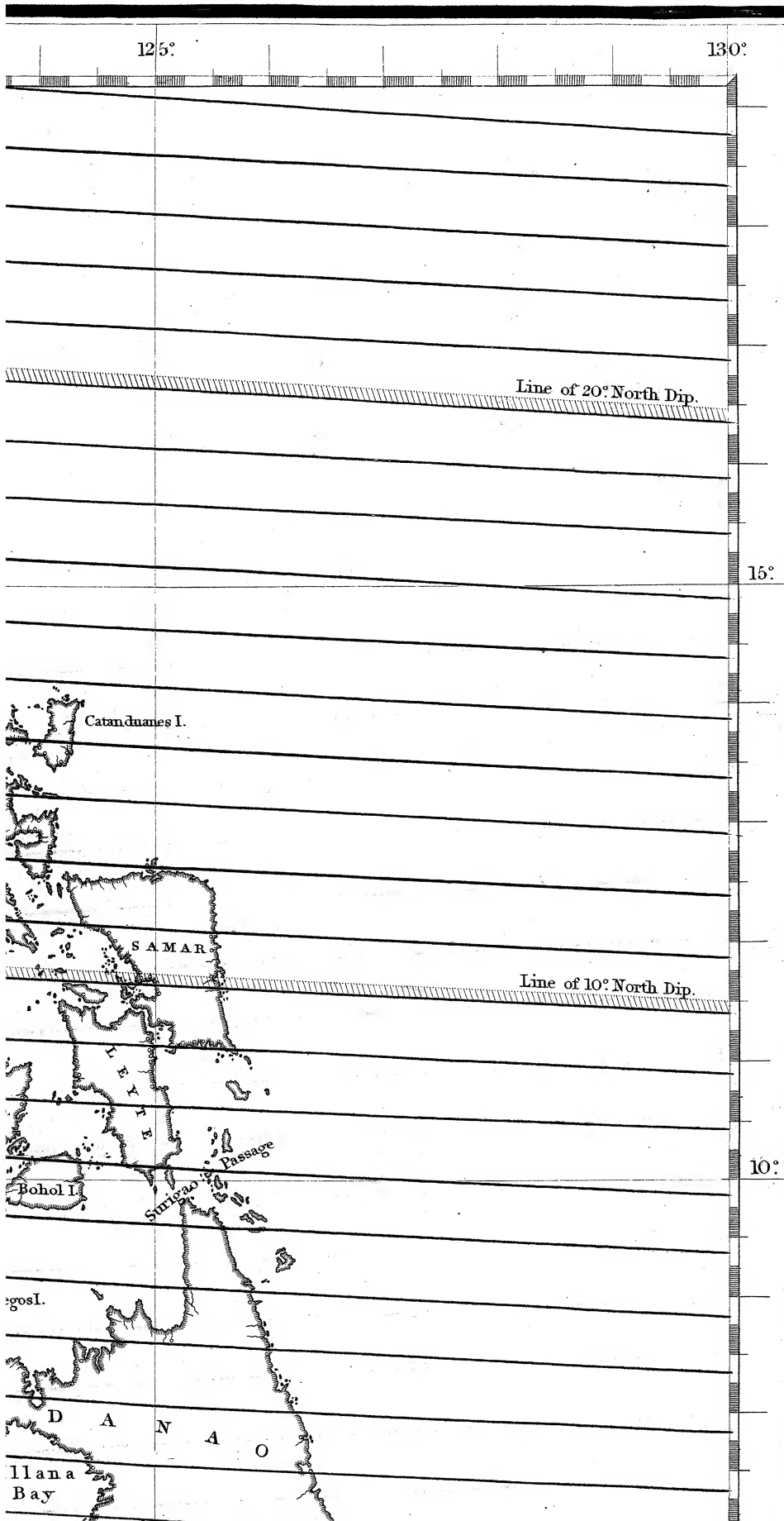
A

A

E

115° 120°





C E Y L O N

Dondra Head.

5°

3°

4°

5°

6°

7°

8°

9°

Line of 10° South

11°

12°

13°

14°

15°

16°

17°

18°

19°

Line of 20° South

21°

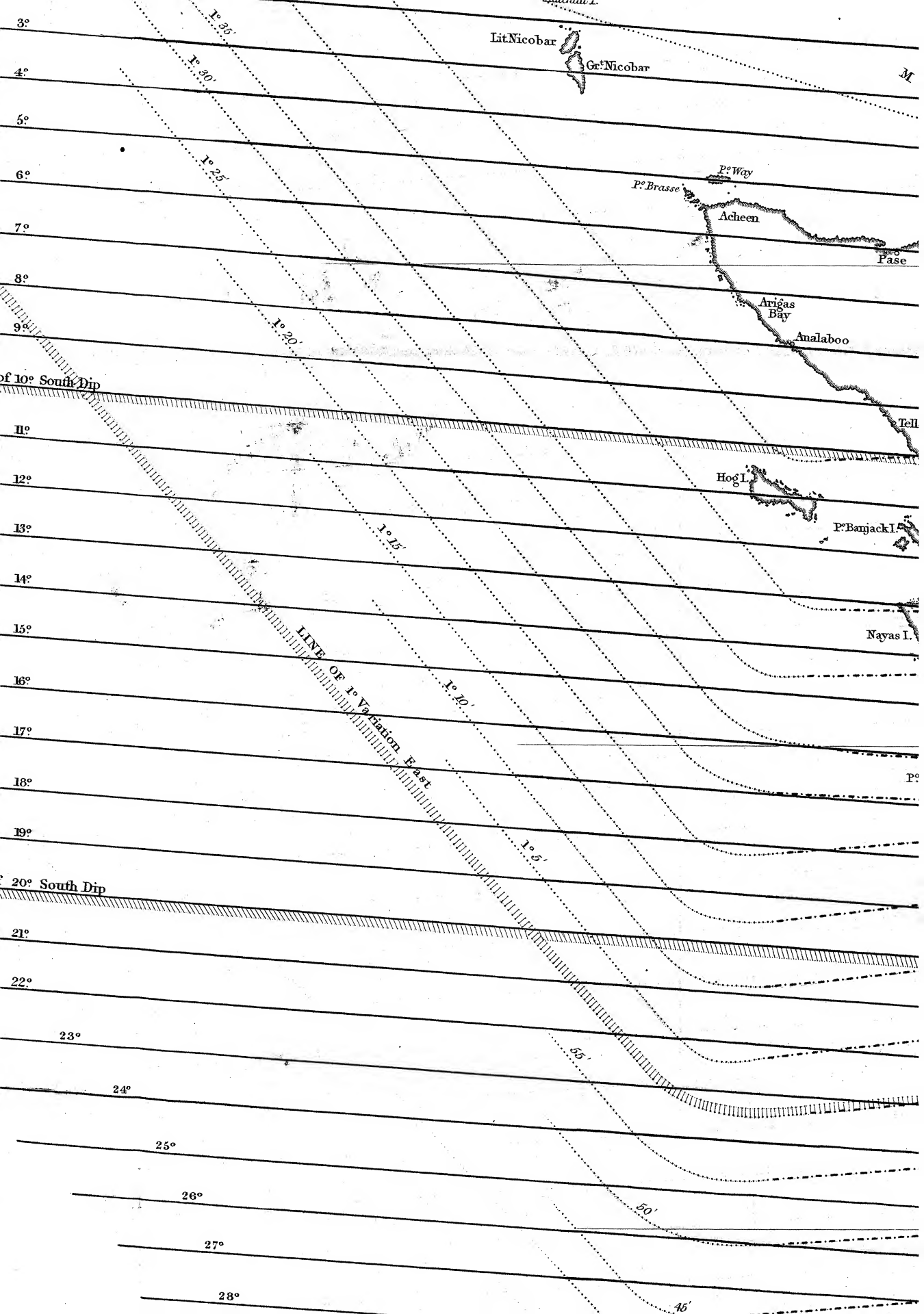
22°

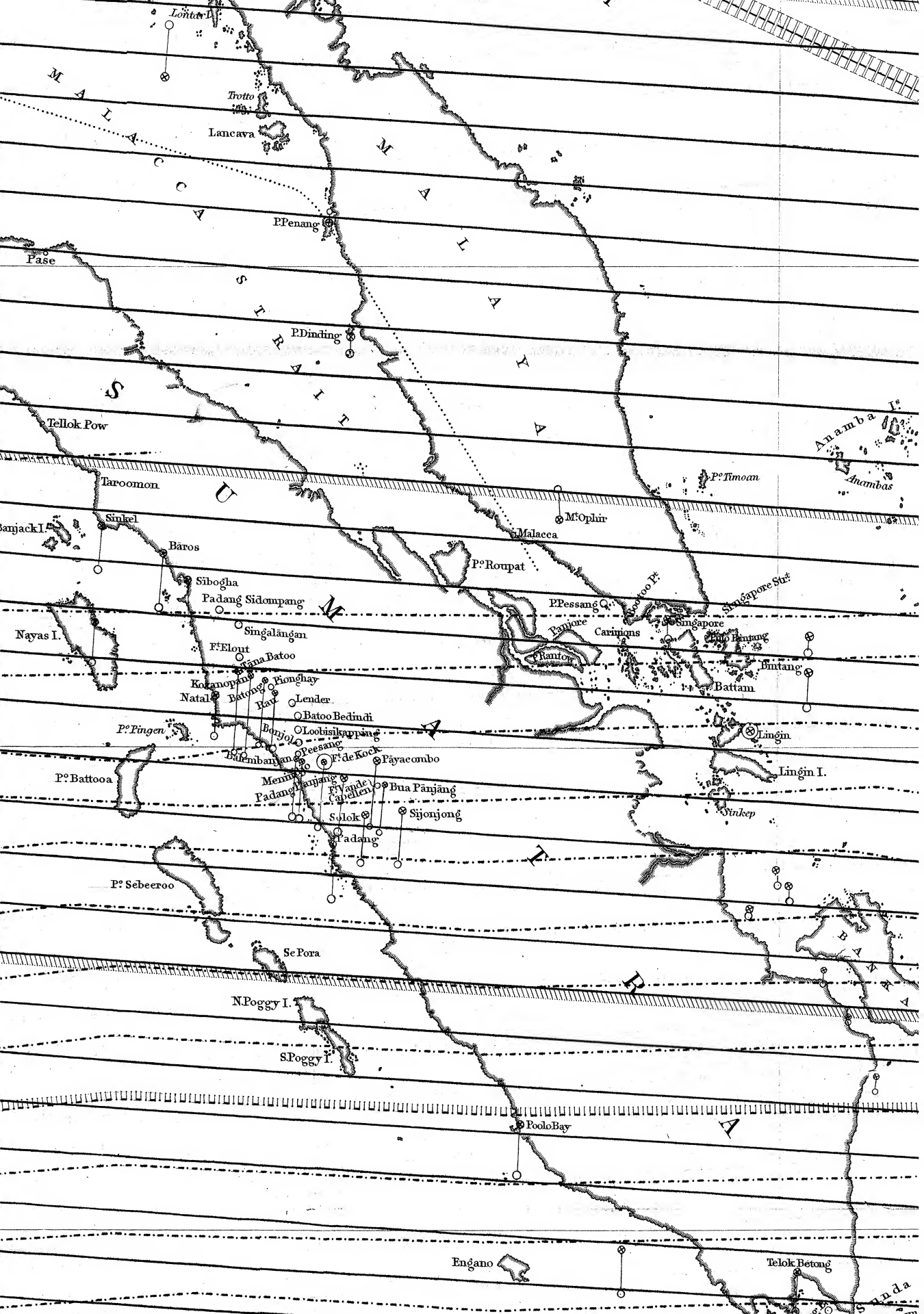
2

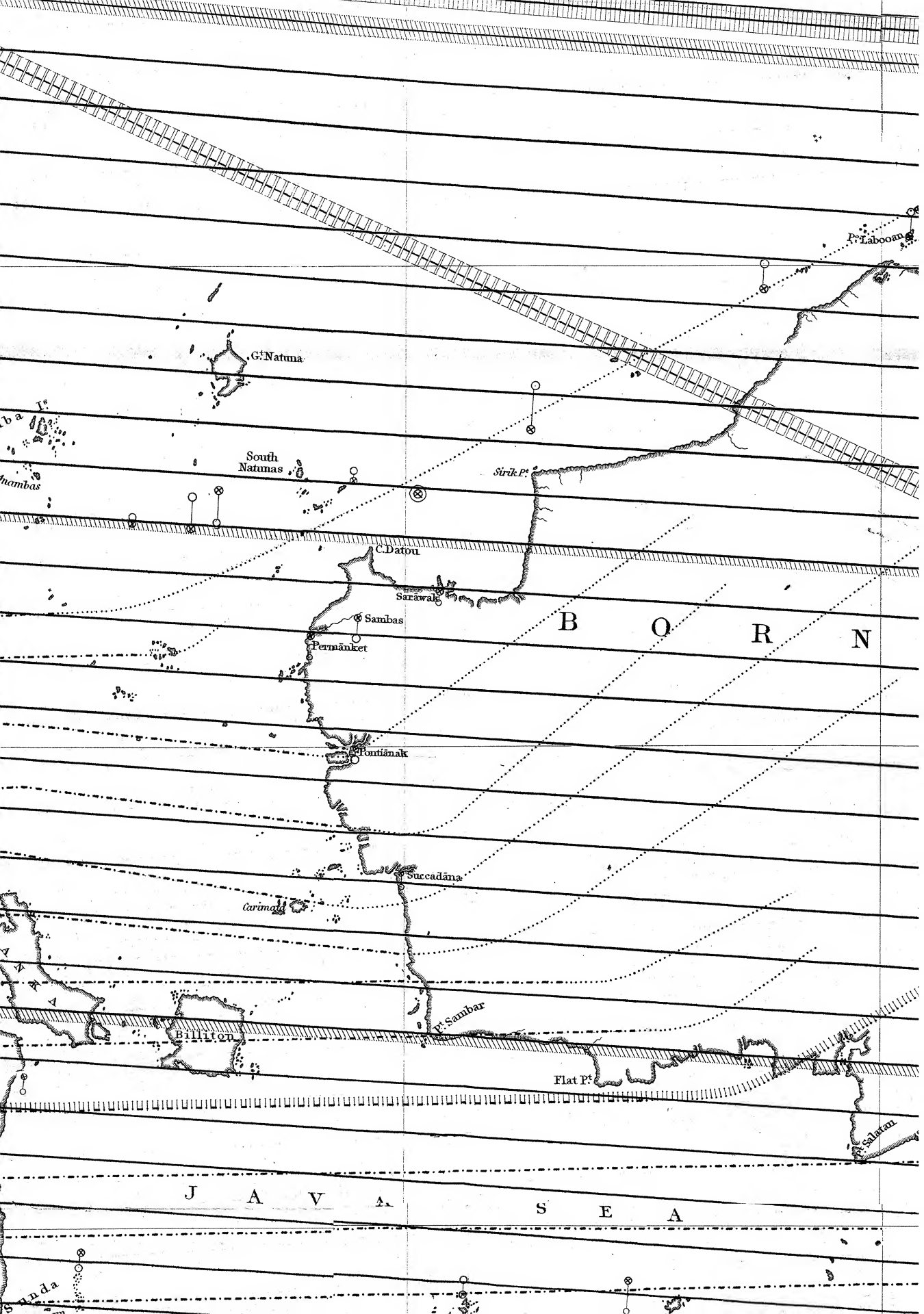
Equa-
-tor

5°

CHART
of the
MAGNETIC SURVEY
OF THE







P. Laboan

G. Natuna

South Natunas

Sirk P.

C. Datou

Sarawak

Sambas

Permanket

Pontianak

Succadana

Carimata

Billiton

P. Sambar

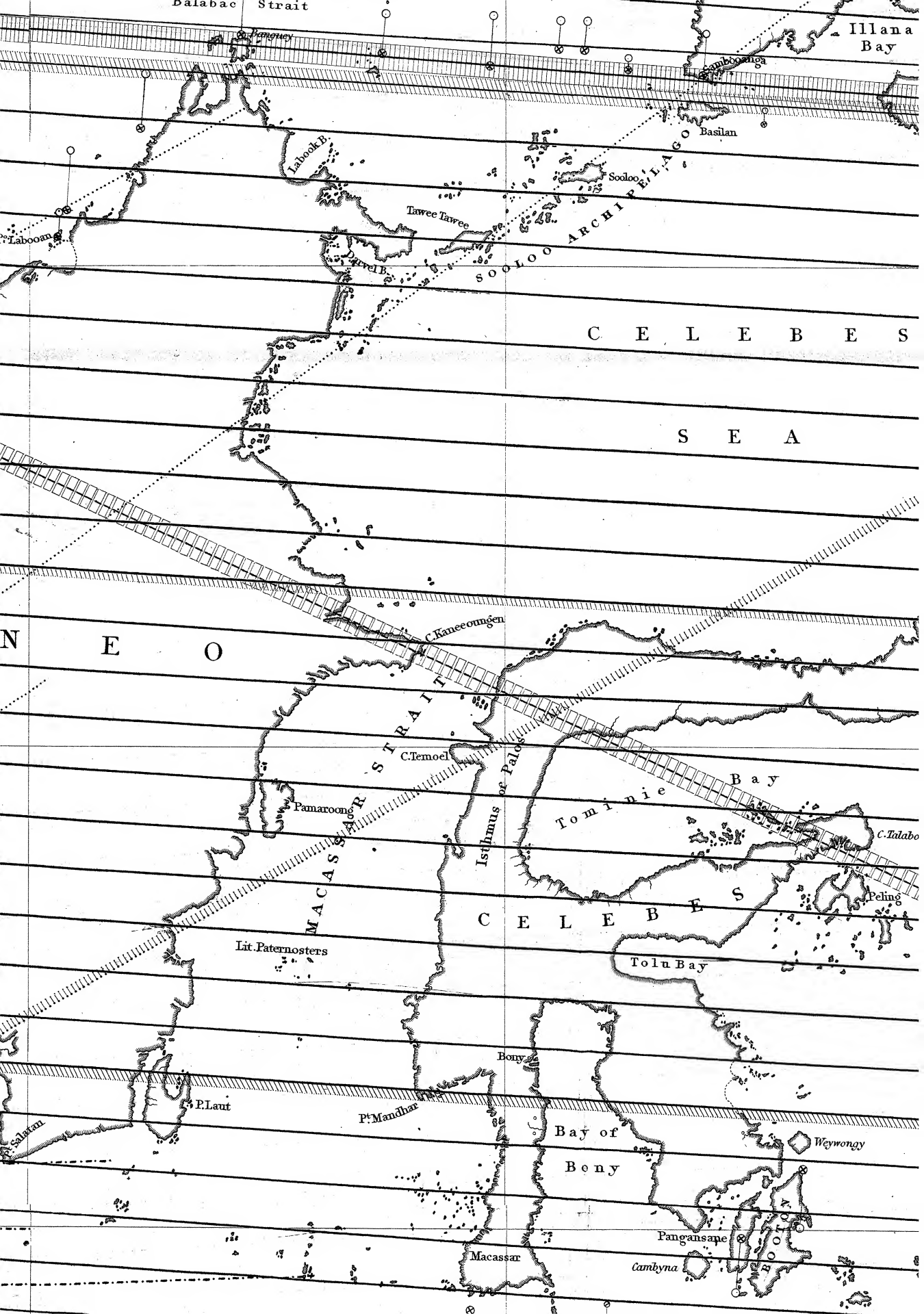
Flat P.

P. Salarn

J A V A

S E A

Sunda



Ilana Bay

CENTRAL LINE OF MINIMUM TOTAL INTENSITY

LINE OF NO DIP

Serangani I.

5°

S

Sahibabo I.

Sangir

MOLUCCAS PASSAGE

North Pt

Riao

MORTY

Manado

Keema

Tondani

Line of 10° South Dip.

Equator

BATCHIAN

P. Dammer

C. Talabo

Peling

KULLA ISLANDS

OBY

Lookisong

Kulla Bessey

BOORO

Line of 20° South Dip.

5°

S. Mathews I.

MAGNETIC SURVEY
OF THE
INDIAN ARCHIPELAGO
SHEWING THE
ISOCLINAL LINES
OR
LINES OF EQUAL MAGNETIC DIP
AND
Lines of Equal Magnetic Declination
Captain Elliot,
Madras Engineers.

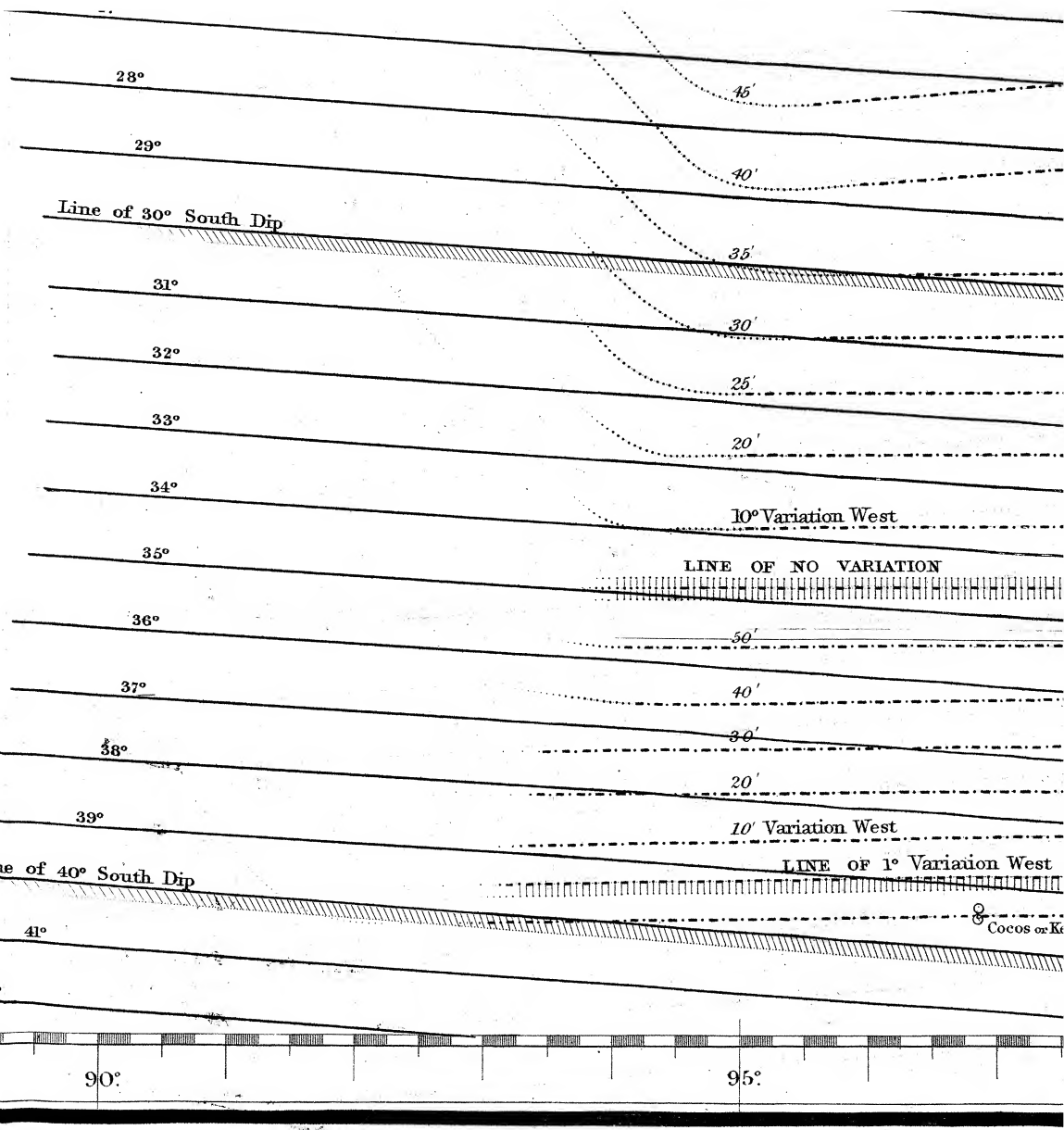
Stations of Observation
Points Furnished for the
adjacent Isoclinal Lines
Central Stations
②

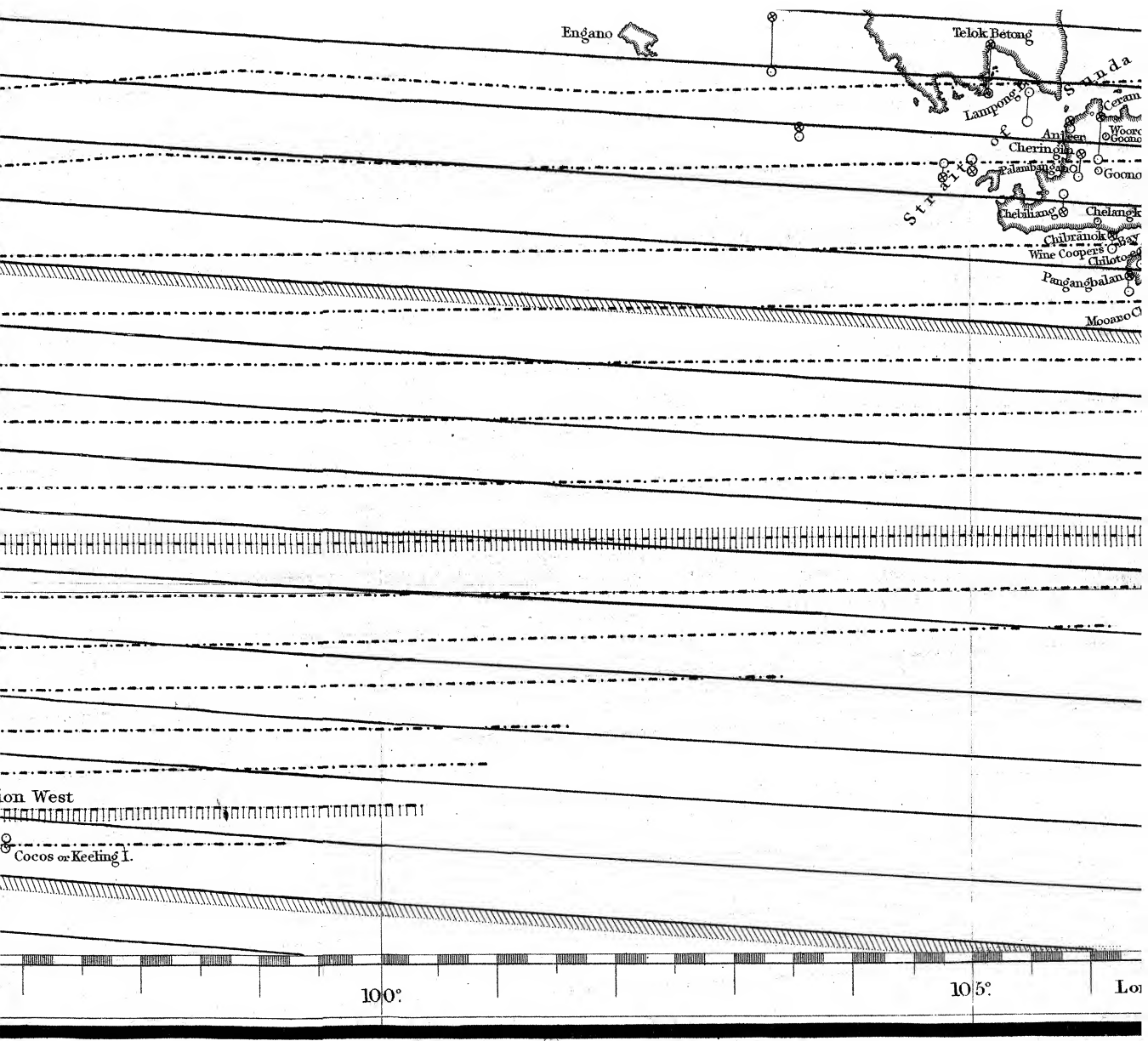
10°

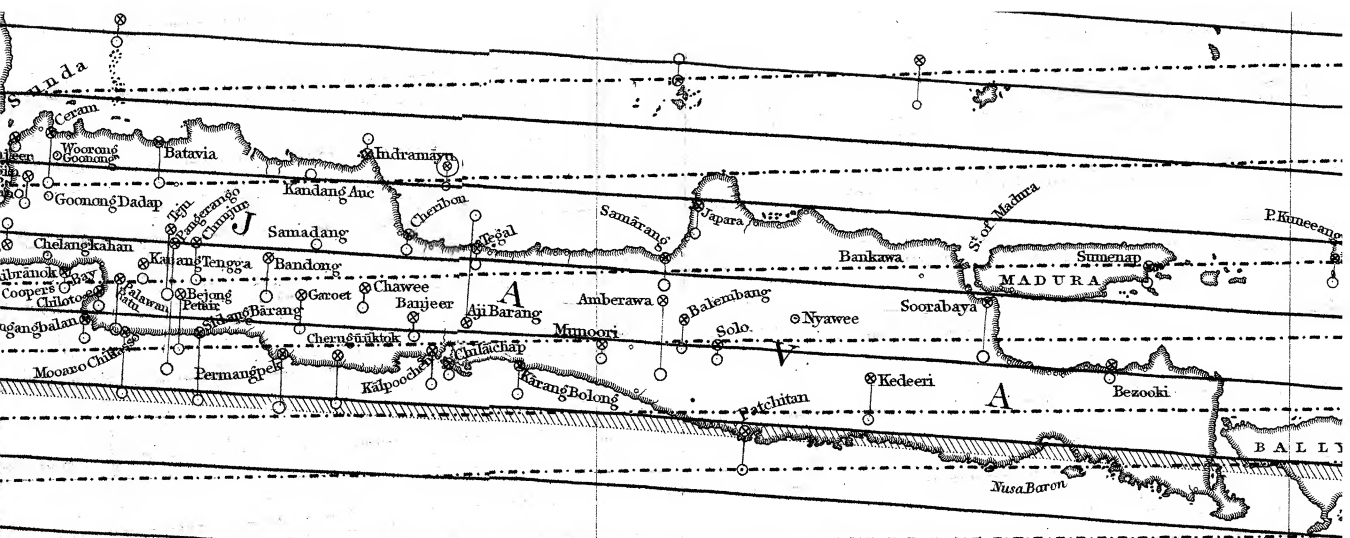
80°

85°

0
IP



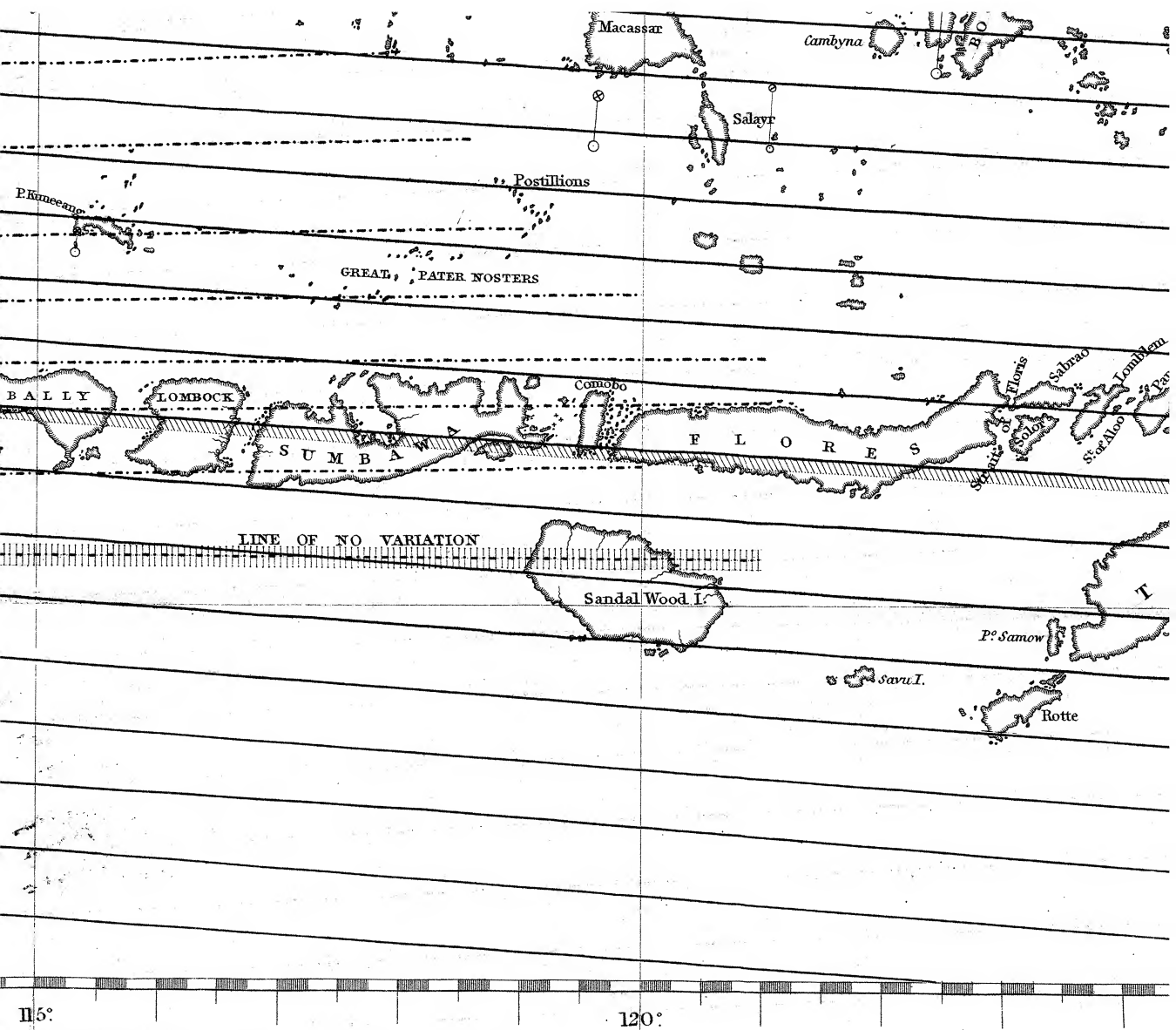


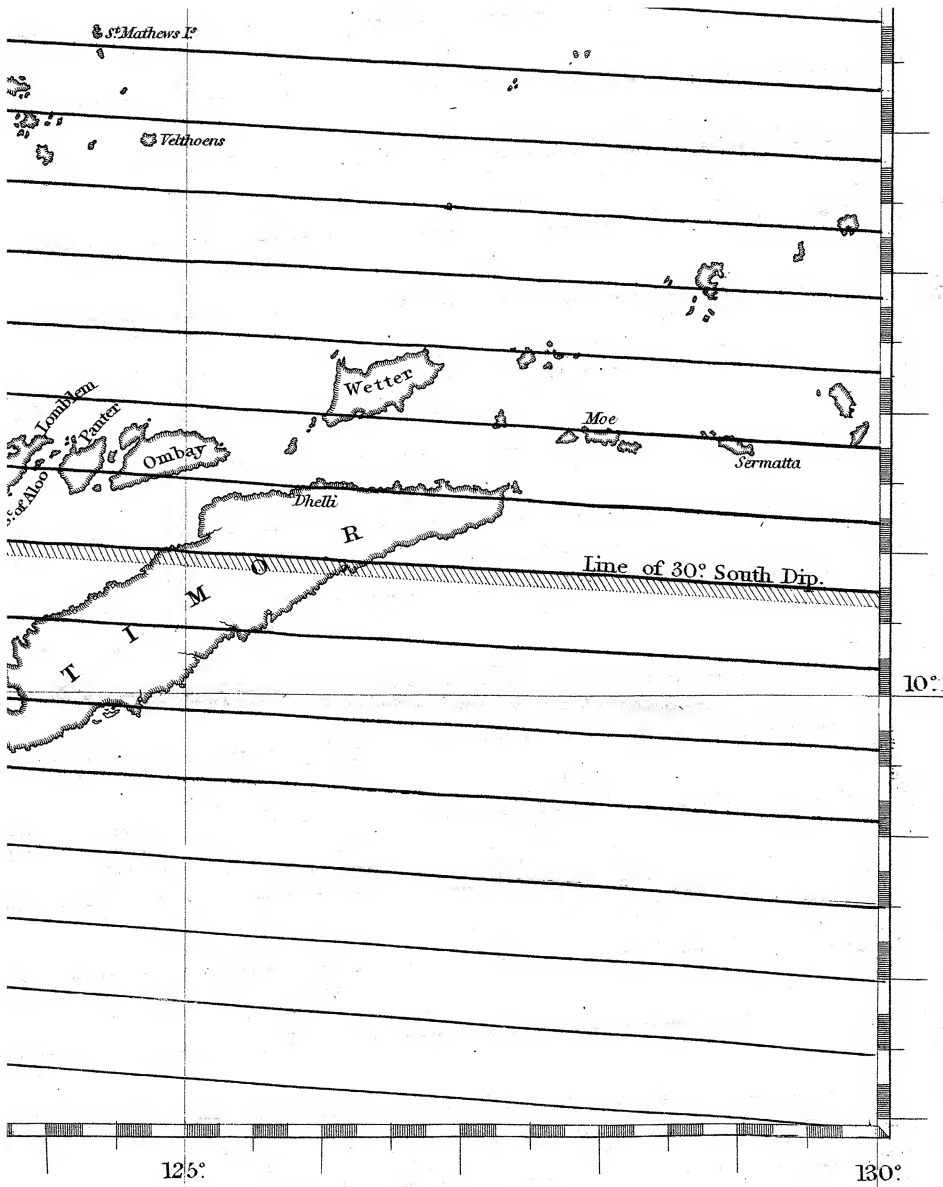


Longitude East of Greenwich

110°

115°





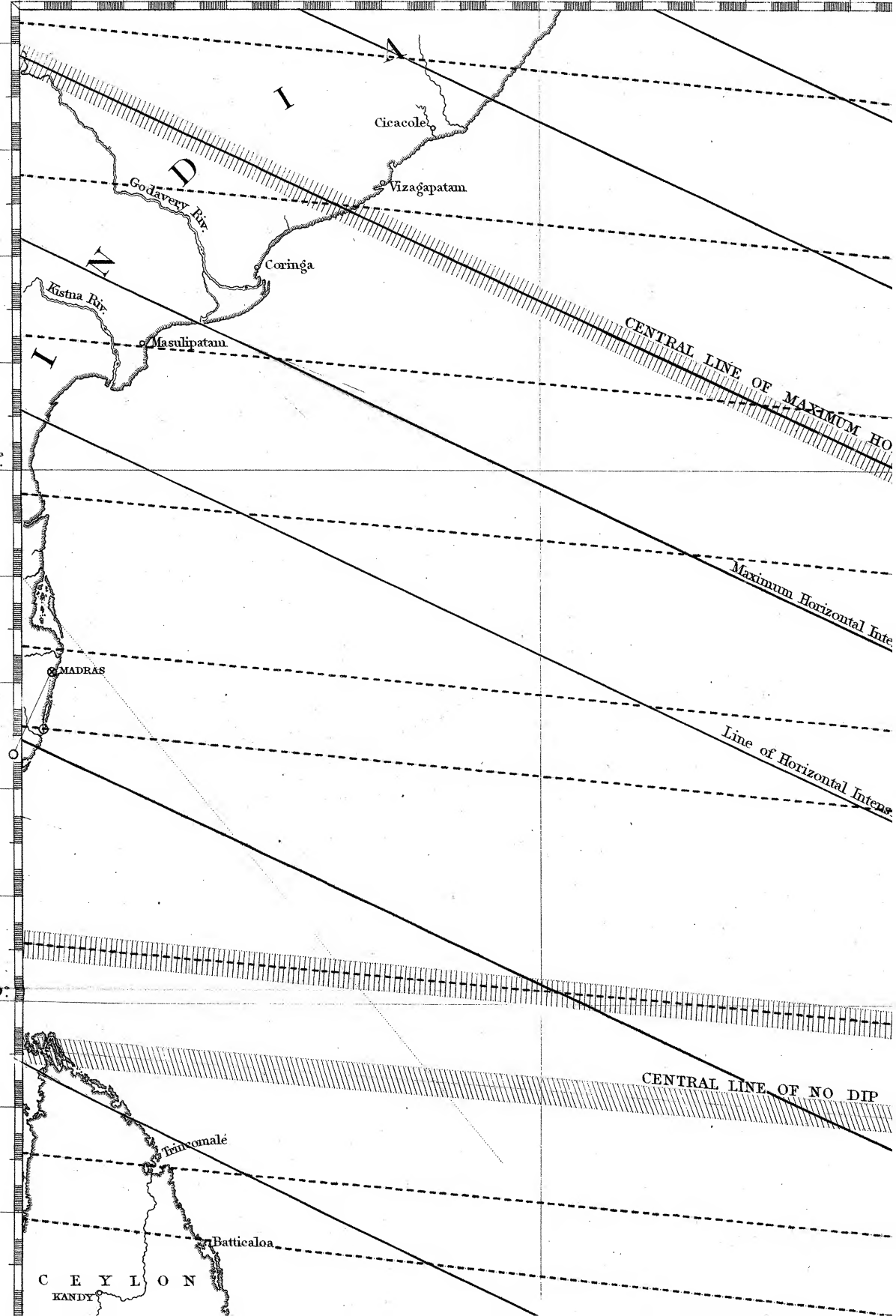
Engraved by J. & C. Walker.

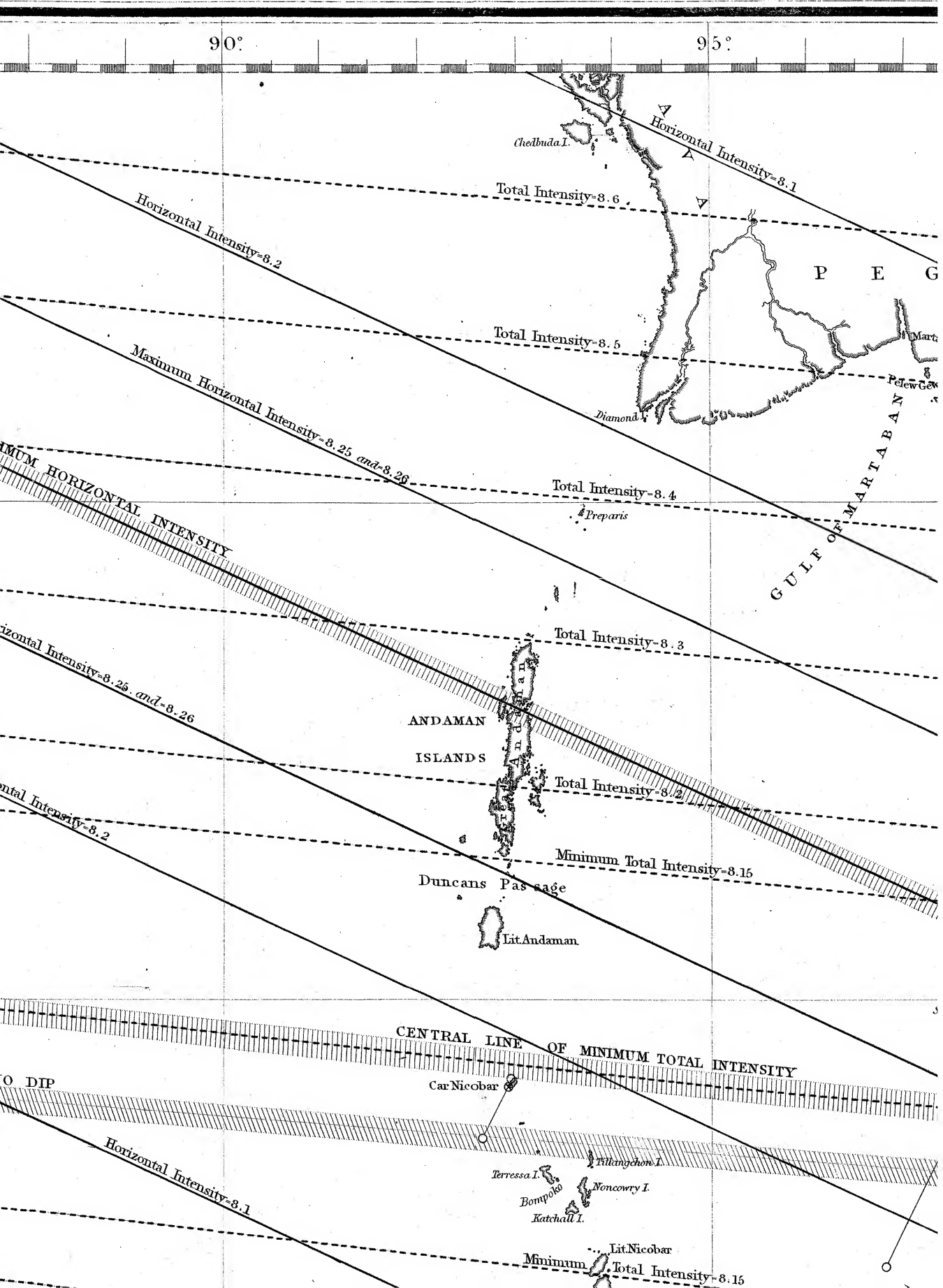
80°

85°

15°

10°





100°

105°

Horizontal Intensity-3.0

E G U

Martaban
Moulmein
Pelew Gew.

MARTABAN
TAN
SIA
KRAU
ISTHMUS OF KRAU

S I A M

Bangkok

Banplasoi

C O C H

C H I N

C A M

B O D I A

R Ma-king

G U T T E R O F S E A

Pulo Bardia

Pulo Sancori

Pulo Carnom

Larchun Islands

S^t Mathew Is.

Koh-dud

Cambodia P.

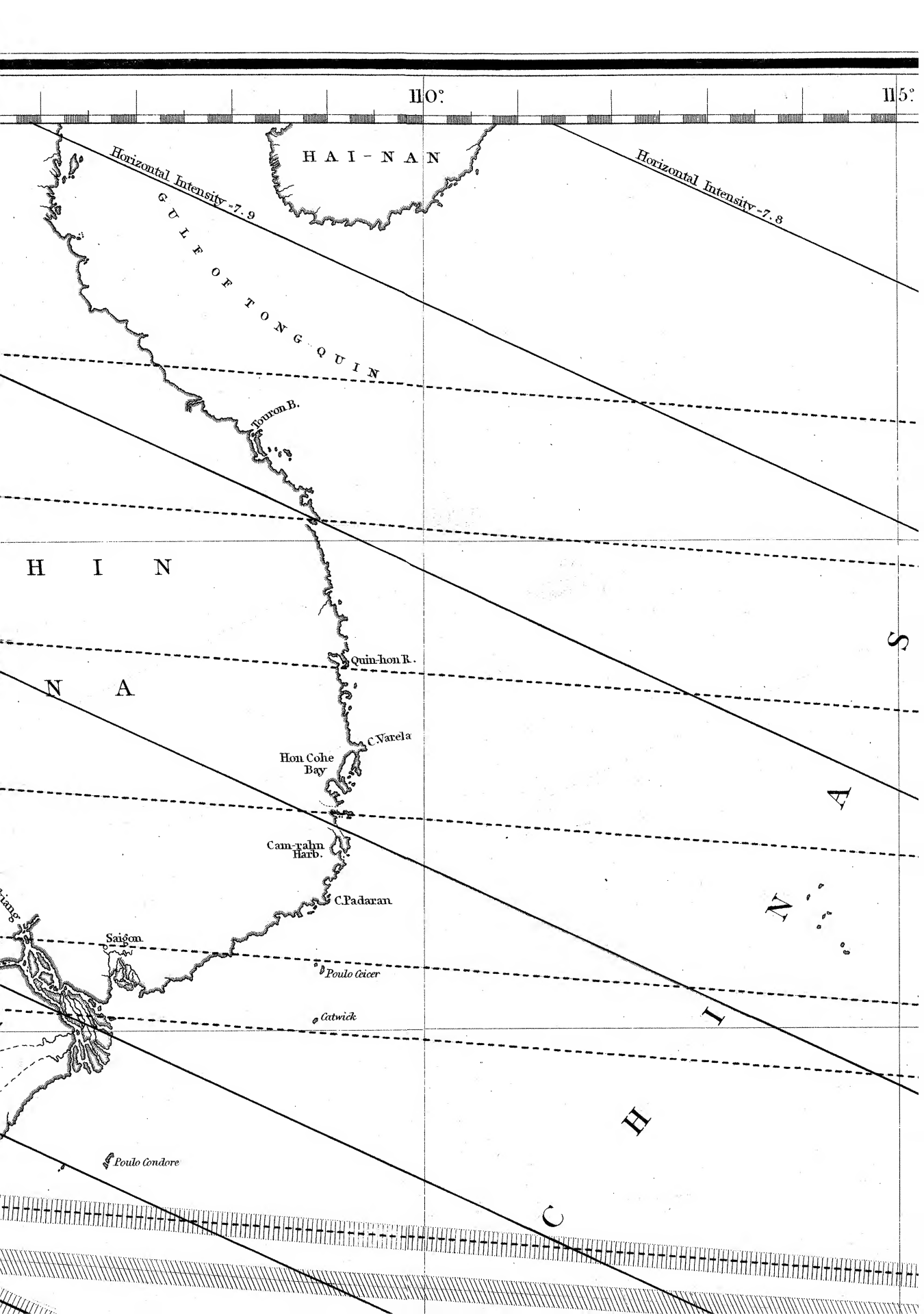
Pulo Tara

Tantalam

Salanga

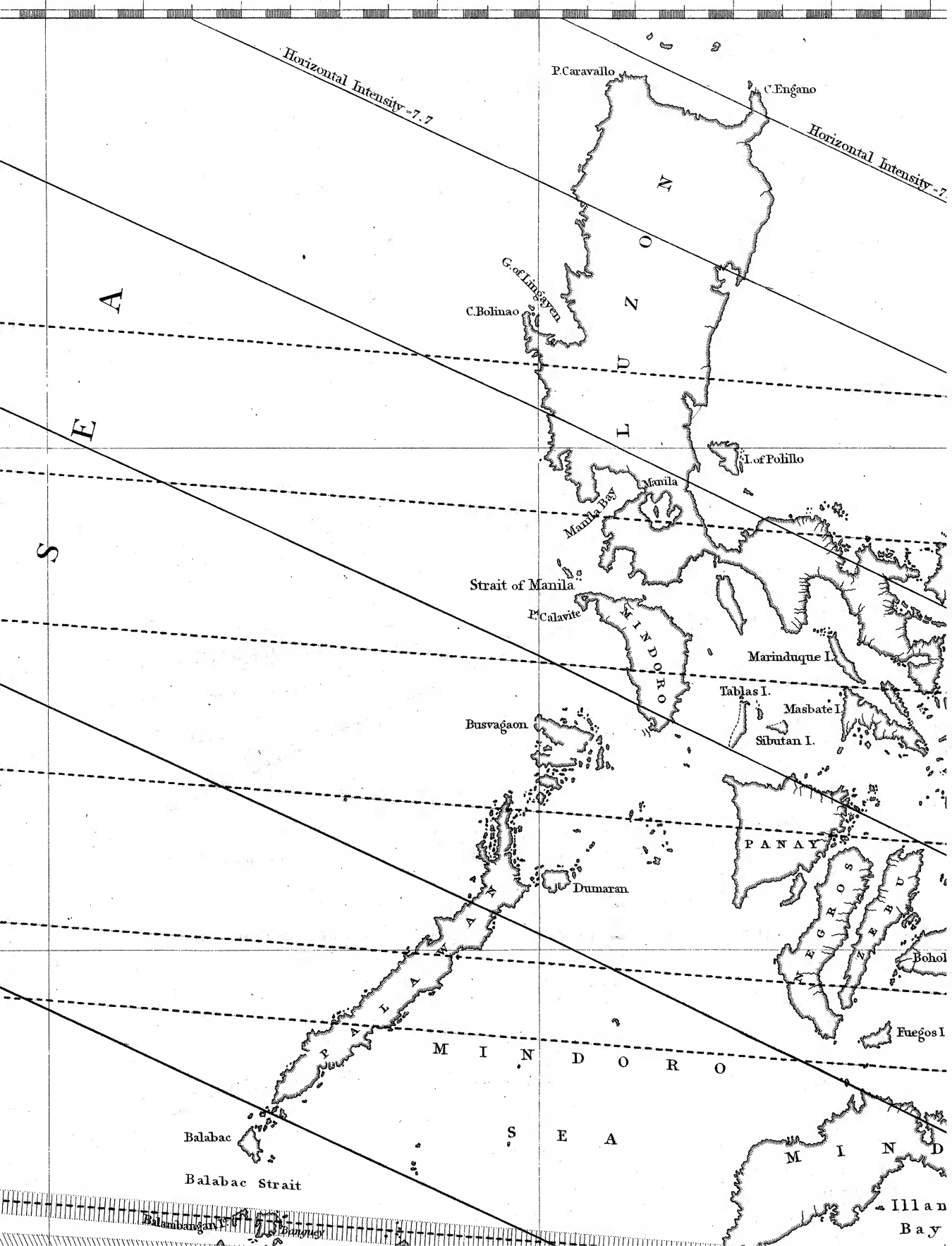
Lontar

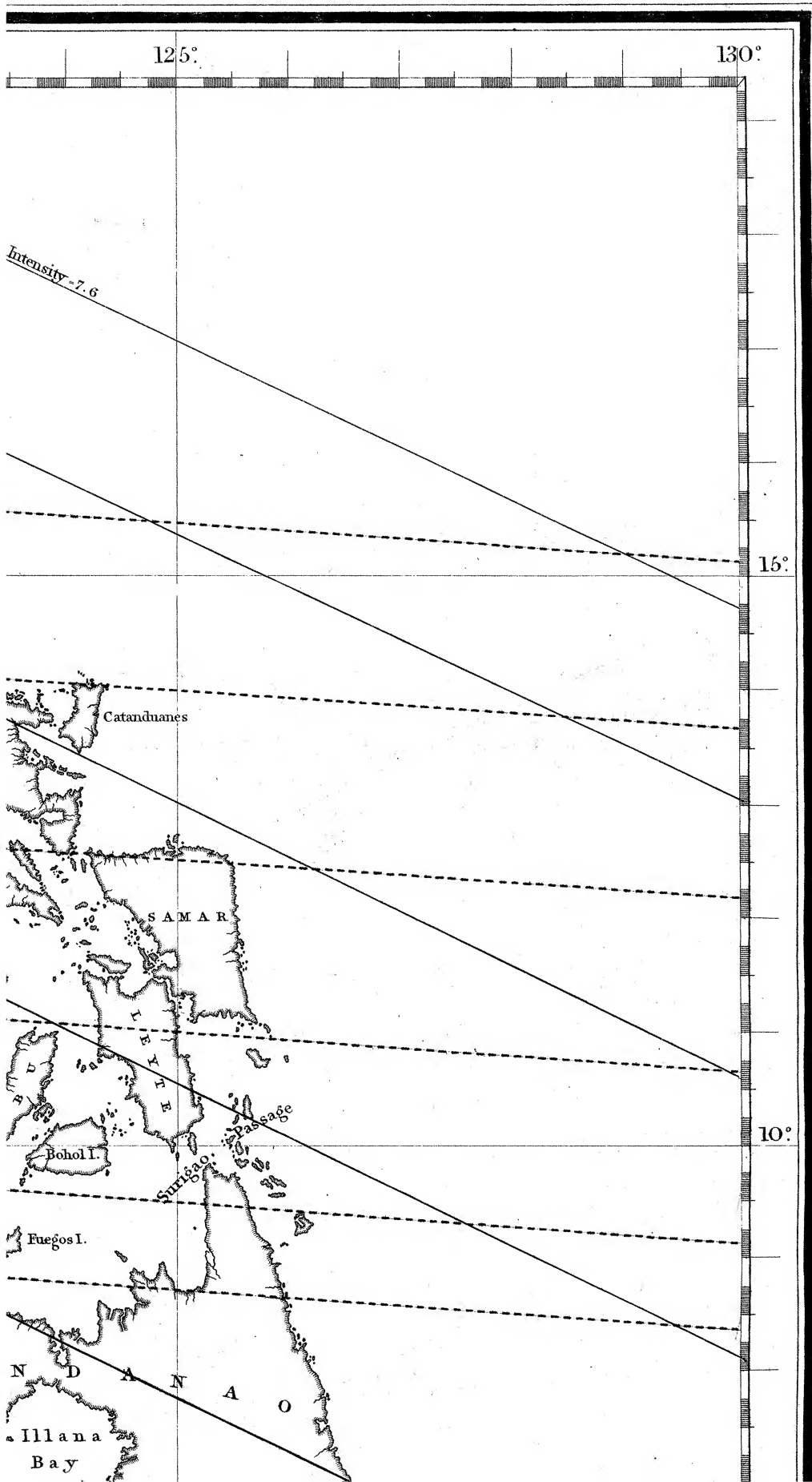
C Patani



115°

120°





C E Y L O N
KANDY

Dondra Head

5°

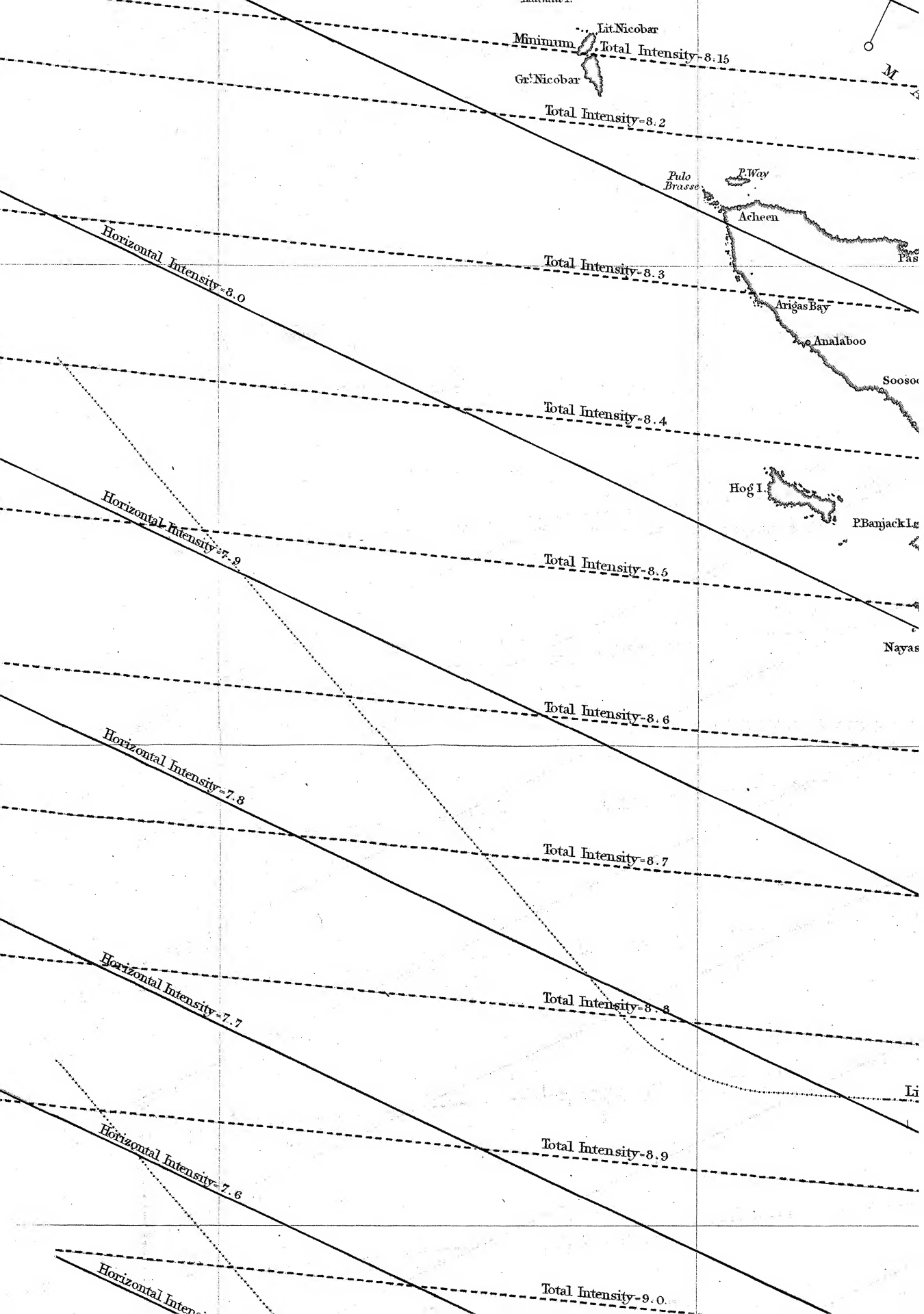
Equa-
tor

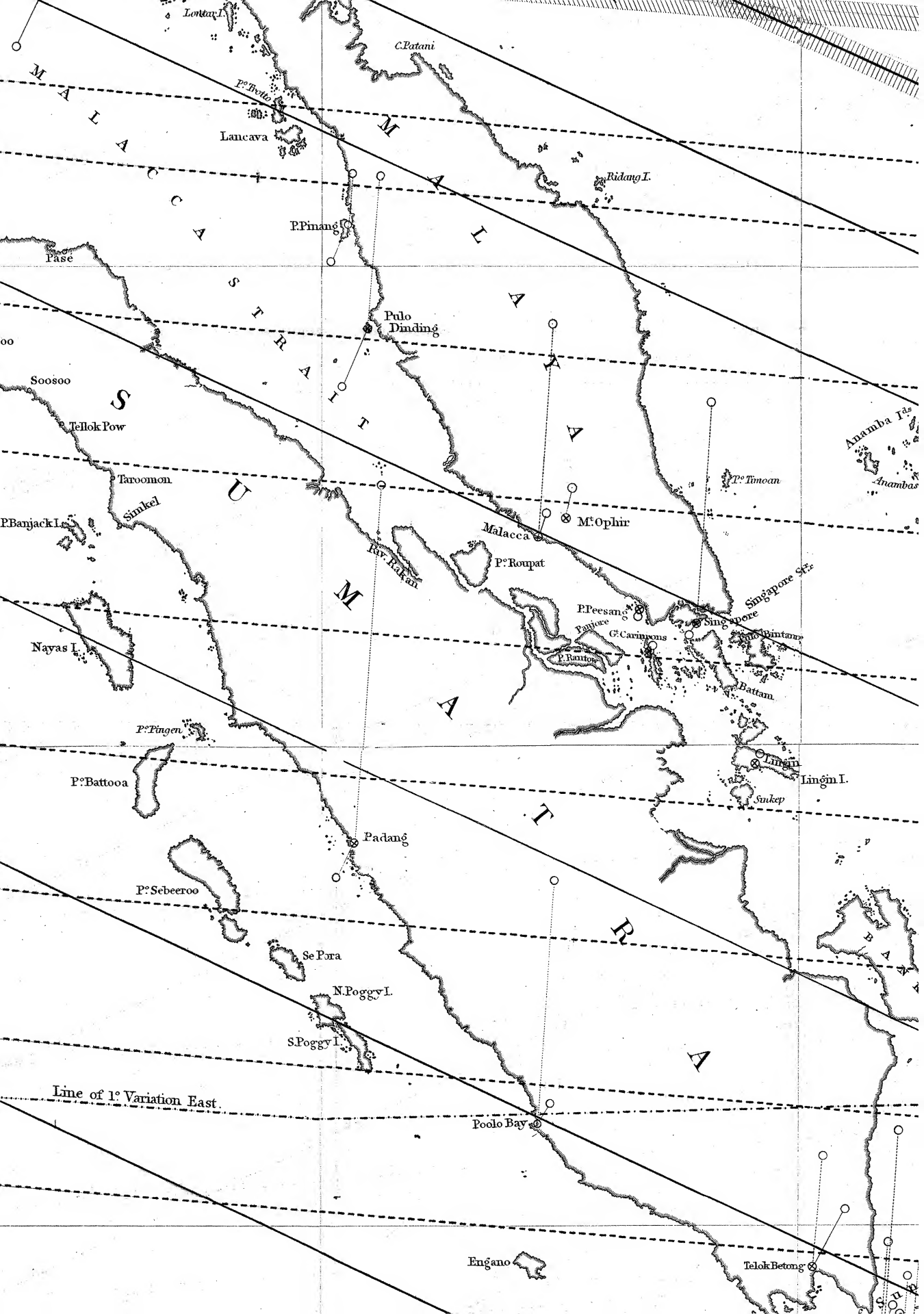
5°

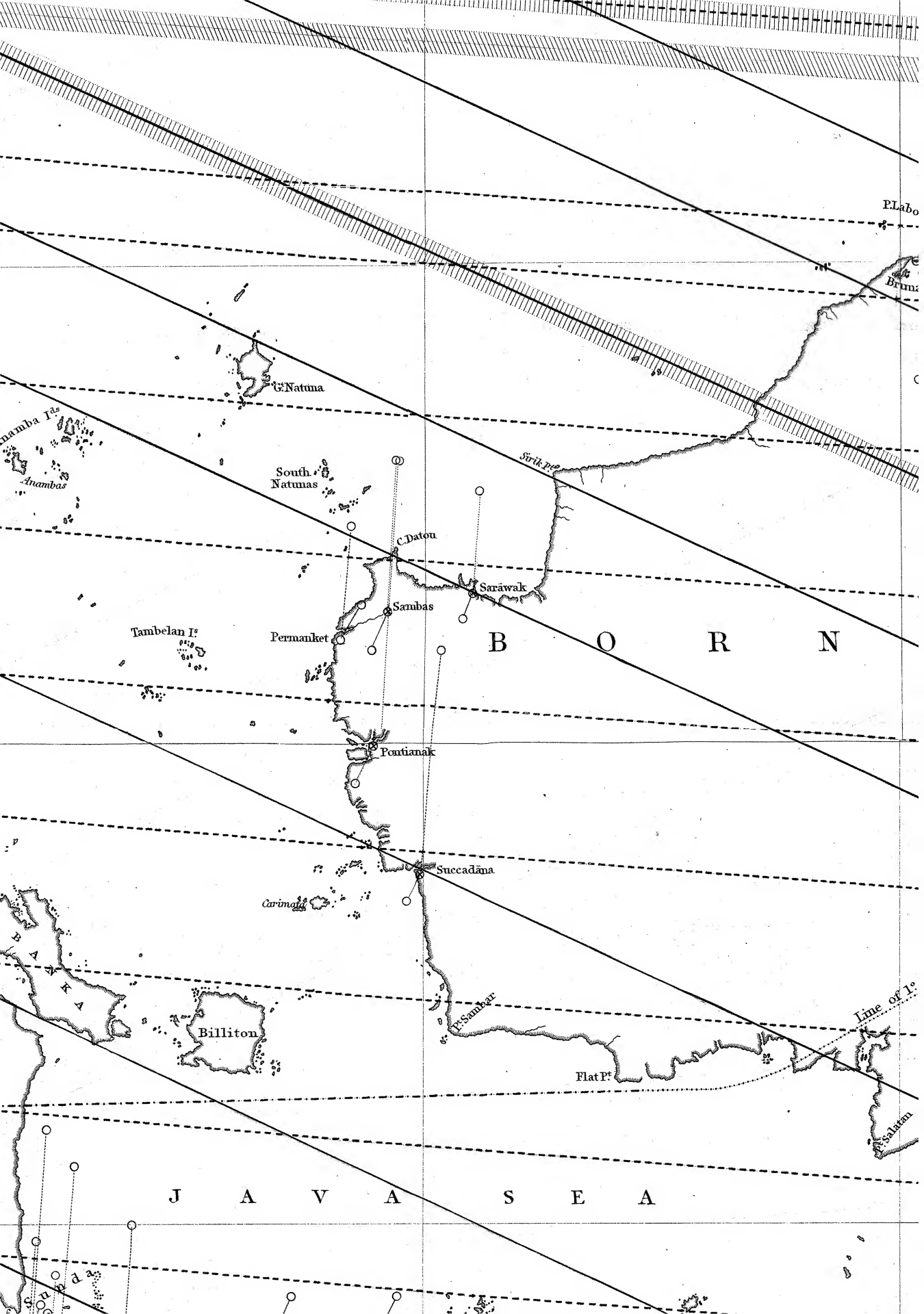
CHART

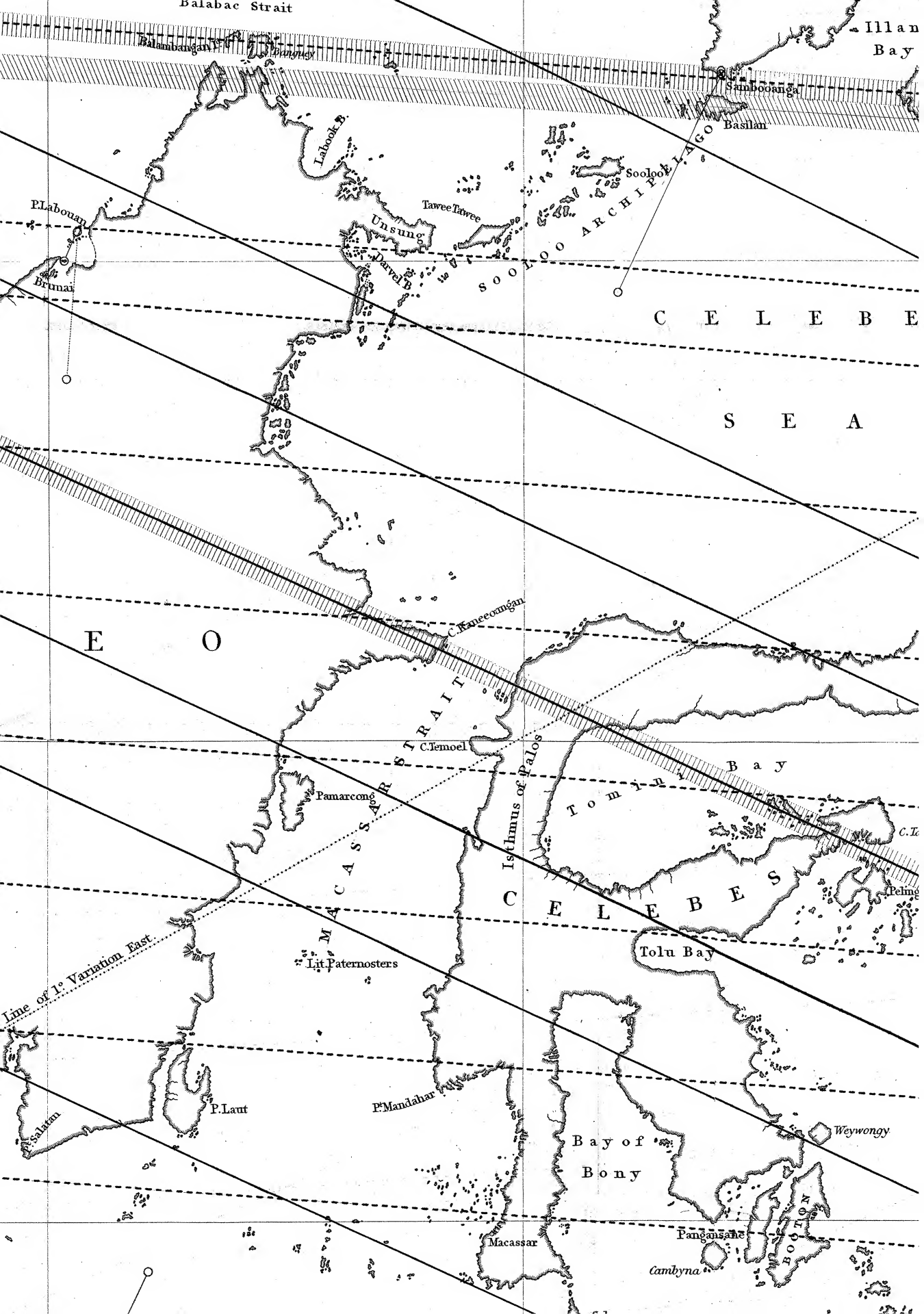
of the

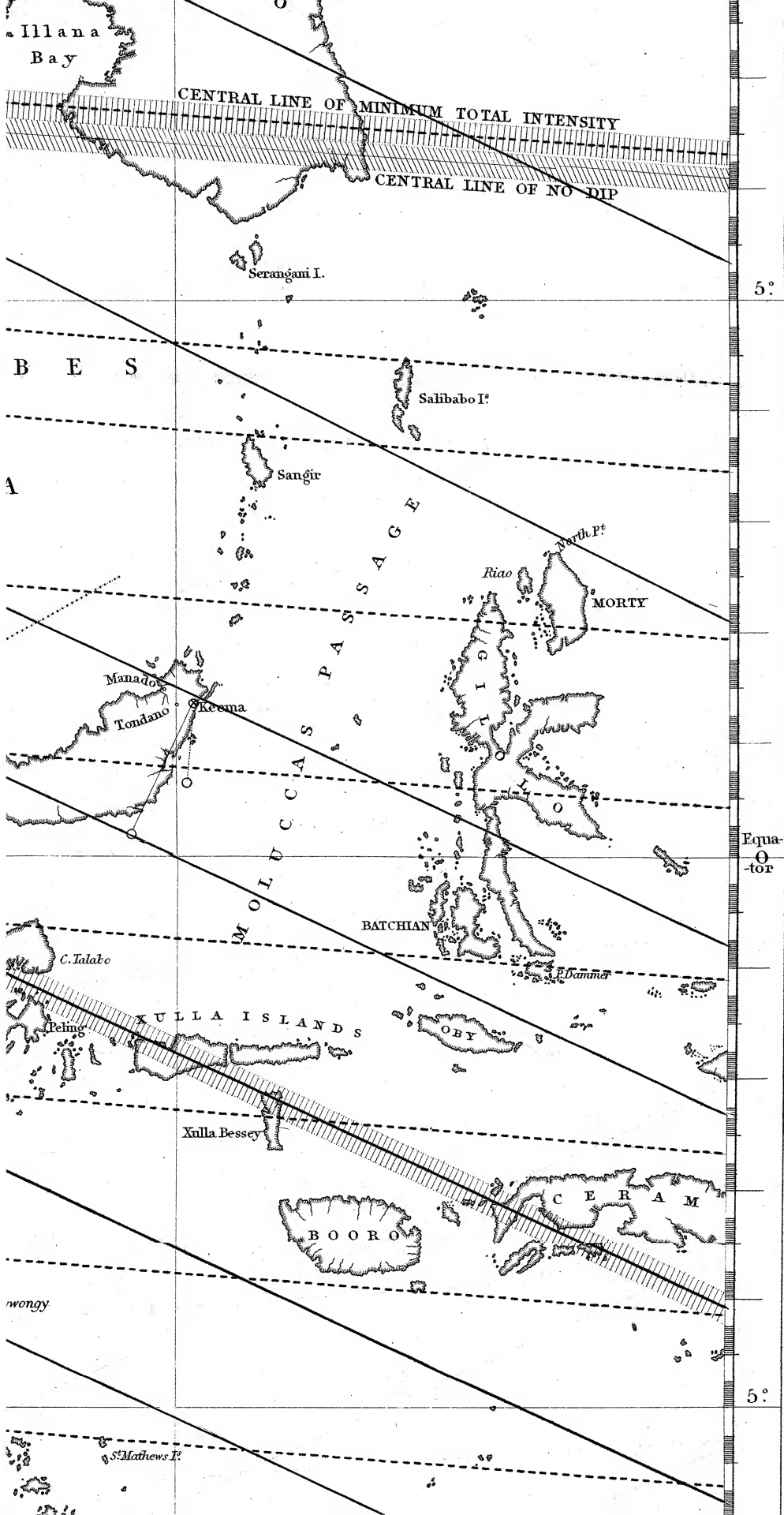
MAGNETIC SURVEY











of the
MAGNETIC SURVEY
OF THE
INDIAN ARCHIPELAGO
SHEWING THE
ISODYNAMIC LINES,
OR
LINE S OF EQUAL HORIZONTAL INTENSITY,
AND
Lines of Equal Total Intensity
BY
Captain Elliot

Madras Engineers.

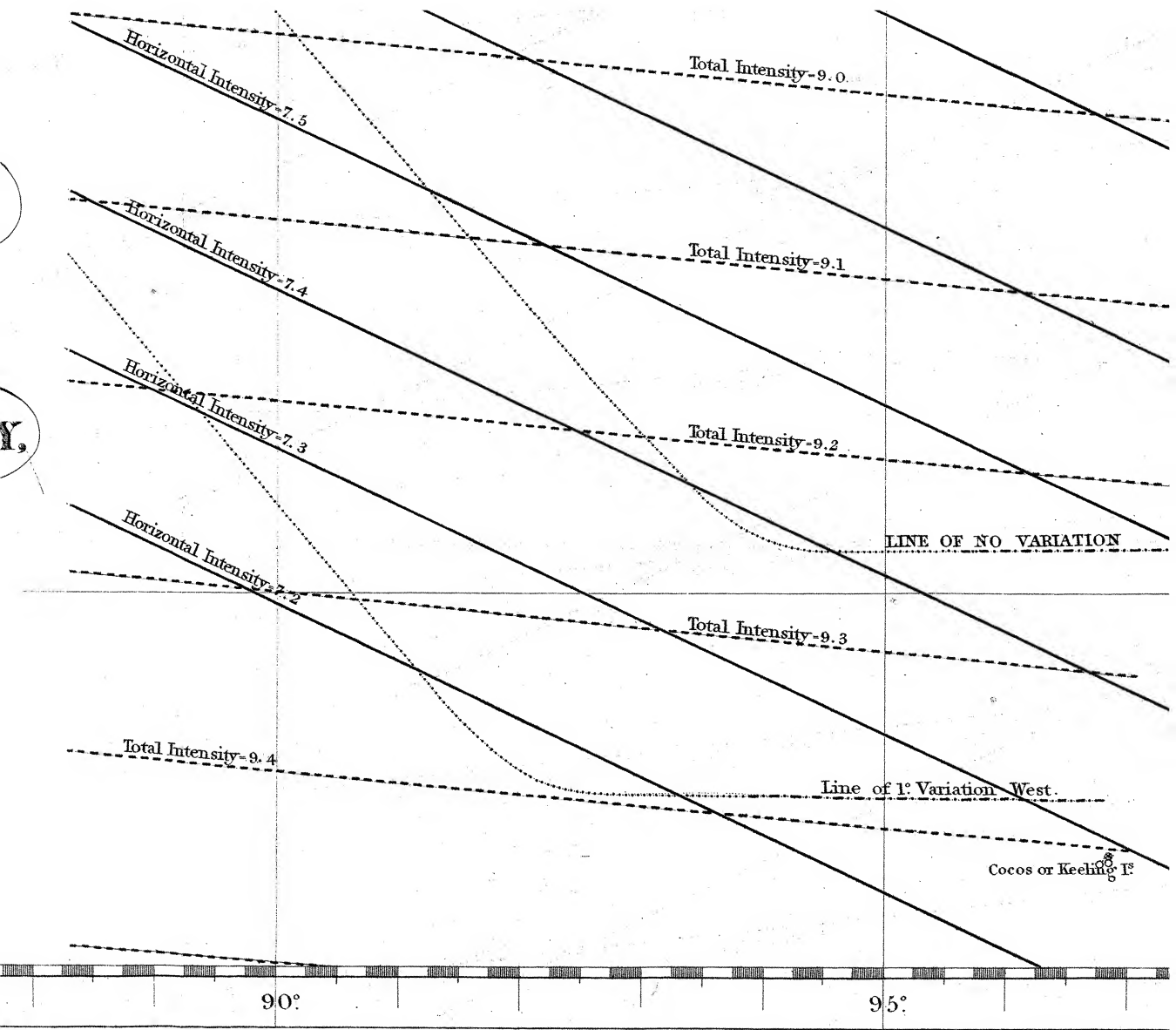
Stations of Observation.....
Points furnished for the.....
adjacent Isodynamic Lines.....

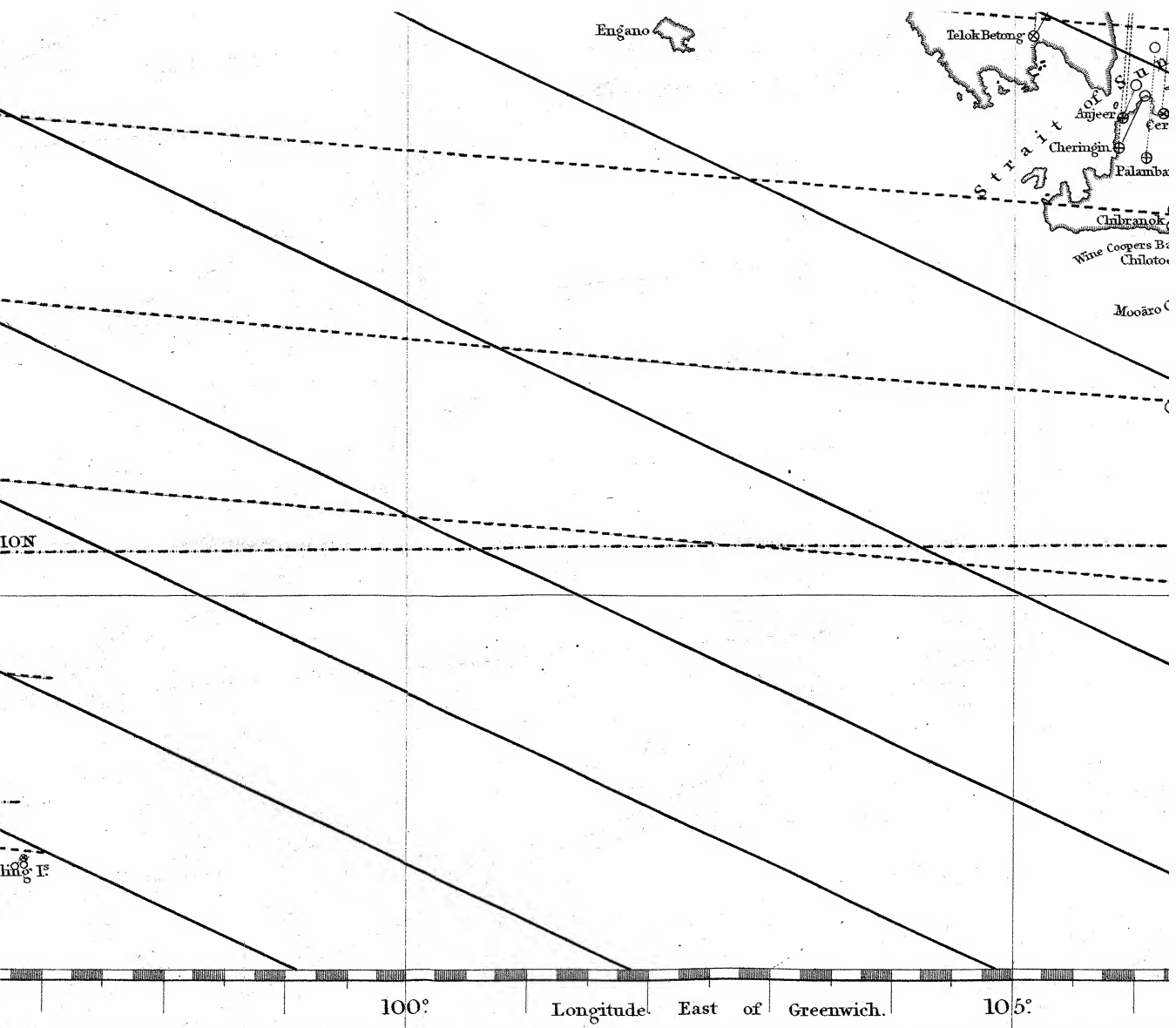


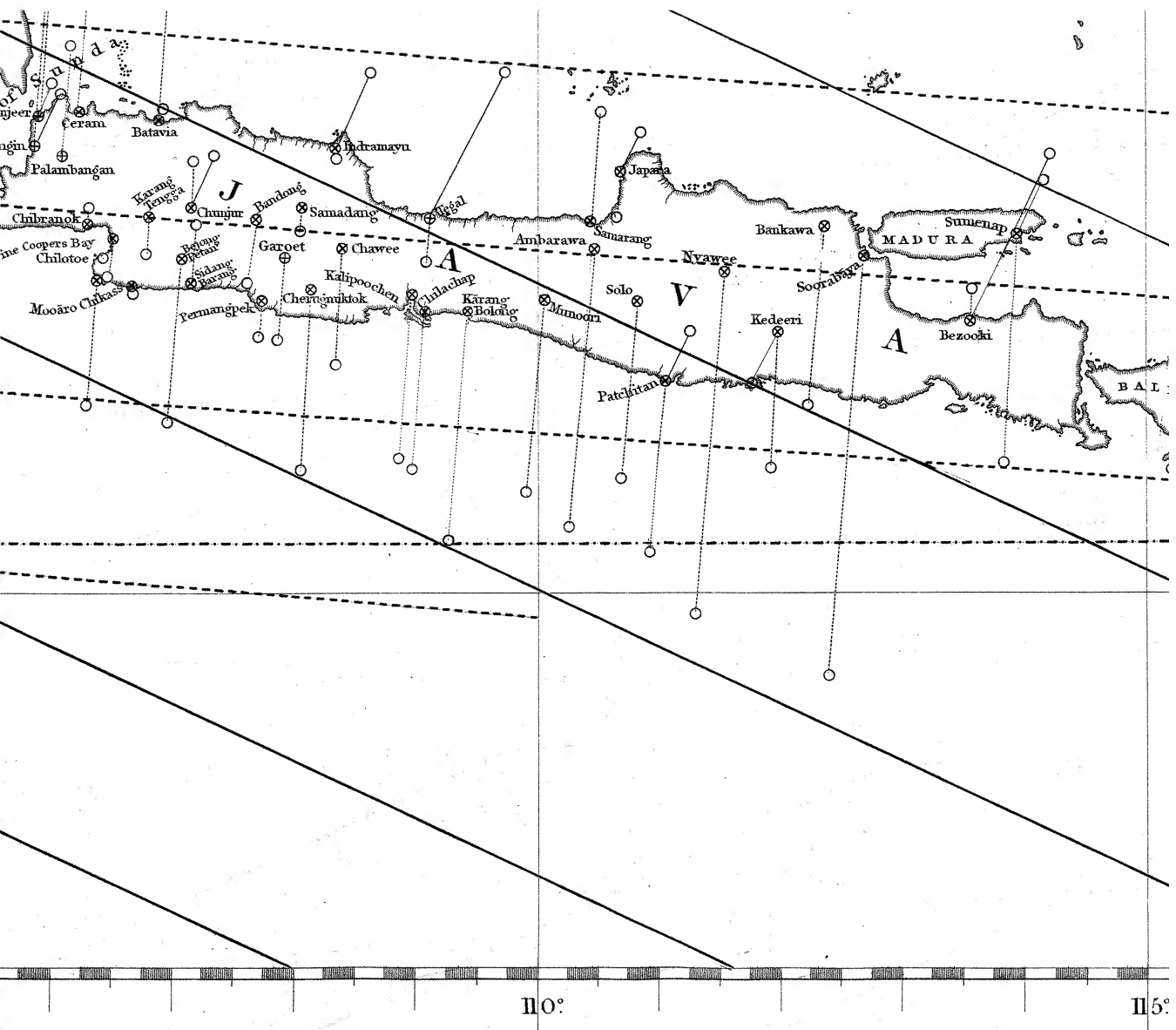
10°

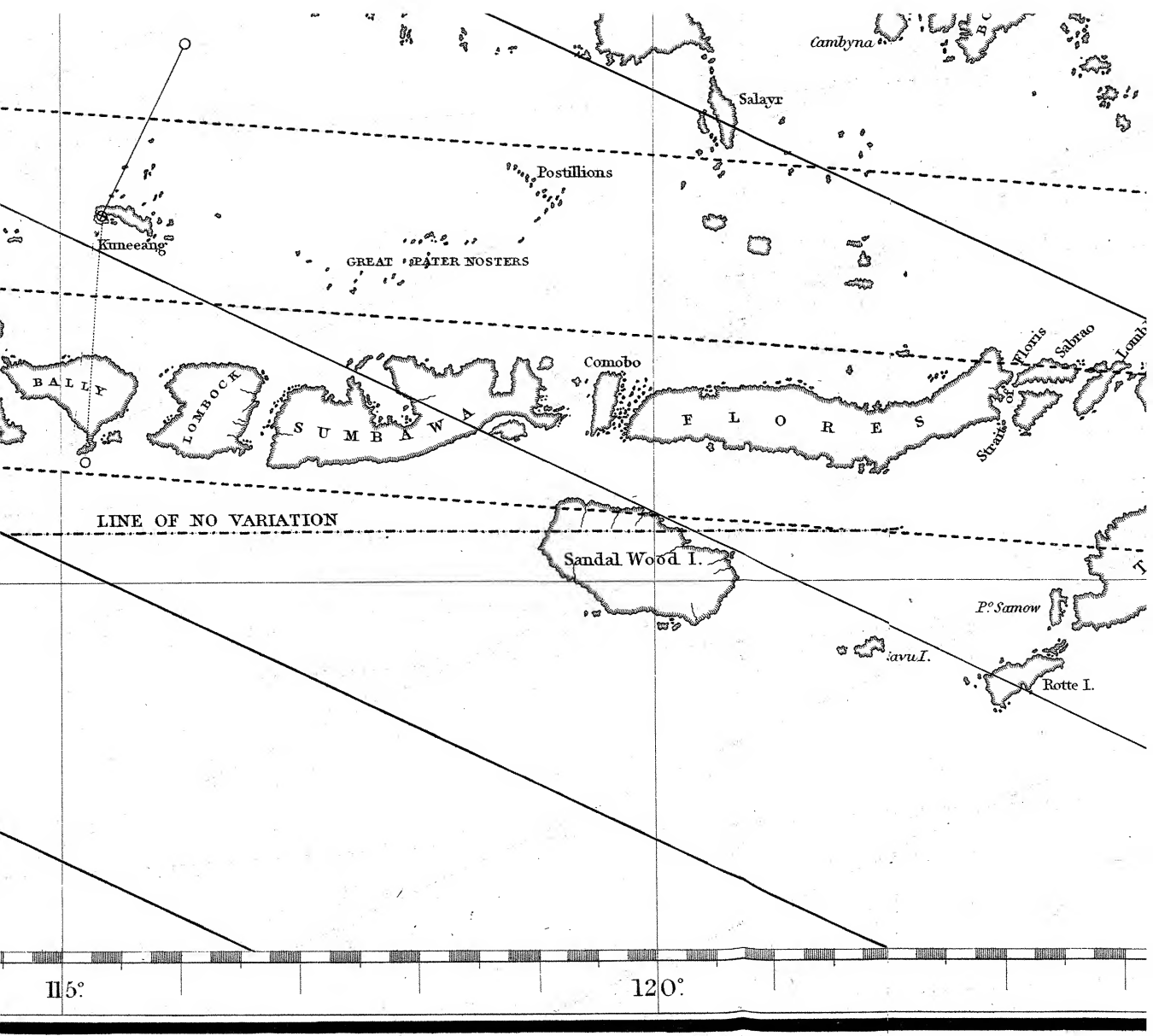
80°

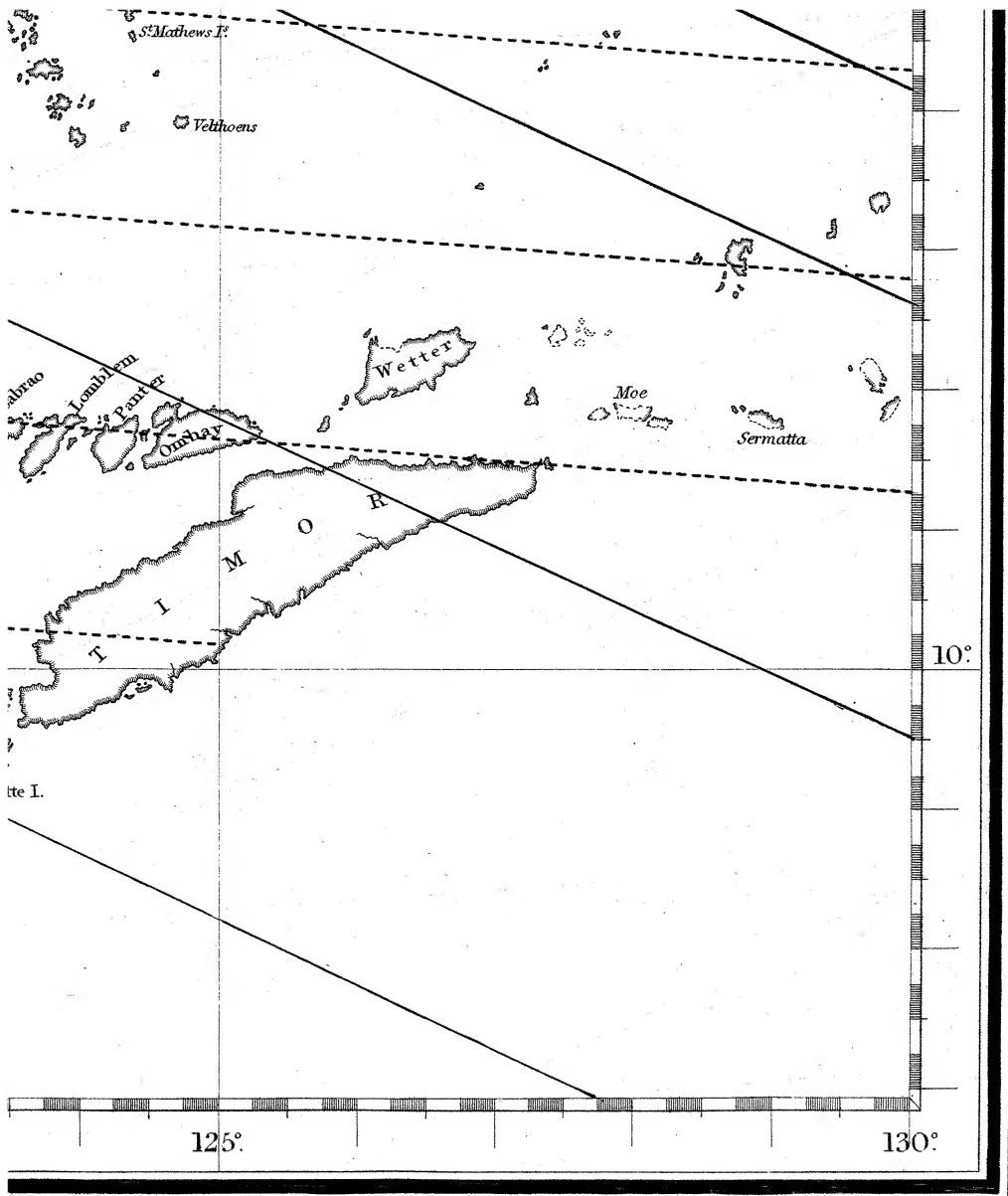
85°











Engraved by J. & C. Walker

CHART
OF THE
MAGNETIC SURVEY
OF THE
INDIAN ARCHIPELAGO
SHOWING THE
ISOGONAL LINES
OR
LINES OF EQUAL MAGNETIC DIP
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Lines of Equal Magnetic Declination
By
Captain A. M. S. M.
Navy Surgeon

Editors of Publications
Have been directed to be
revised. Revised Date
General Editor

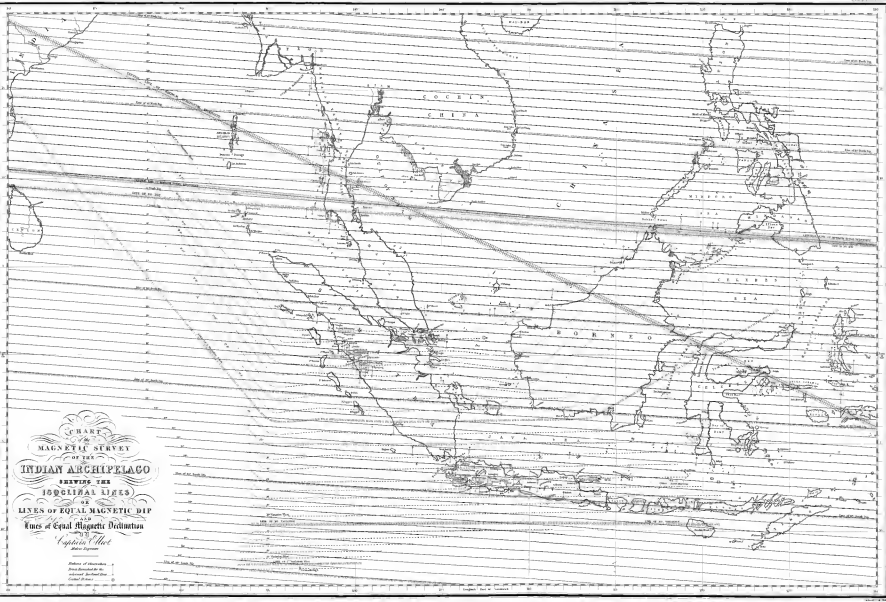


CHART
 No. 50
 MAGNETIC SURVEY
 OF THE
INDIAN ARCHIPELAGO
 SHOWING THE
 ISODYNAMIC LINES,
 OR
 LINES OF EQUAL HORIZONTAL INTENSITY.
 Drawn & Equal Total Intensity
 by
Captain Elliot
 British Admiralty
 Hydrographic Office

Source of observations
 from the log of the
 ship and other sources

